

**Tabulation**  
**Bid 21-015**  
**Demolition Services for Disaster DR 4269-006 & 4269-007**

**Recommended: Low bidder per site, as highlighted**  
**Funding: Disaster Relief Program DR 4269-0016 and DR 4269-007**

Description	Jay-B & Group Services, LLC Richmond, TX	Arkitektura Development Inc. Kemah, TX	Inland Environments Ltd. Porter, TX	Cherry Moving Co., Inc. dba Cherry Demolition Houston, TX	Grant Mackay Company, Inc. Houston, TX	Sitek Omni Services, LLC Humble, TX
<b>Form 1295</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>			
Site 1: 36636 Stirrup Road, Wallis, TX	\$13,686.15	\$15,777.00	\$19,534.00	\$18,100.00	\$21,750.00	\$34,450.00
Site 2: 38107 Longhorn Road, Wallis, TX	\$14,519.22	\$15,777.00	\$18,639.00	\$20,800.00	\$19,850.00	\$32,480.00
Site 3: 408 Carroll Road, Richmond, TX	\$16,542.39	\$15,777.00	\$19,259.00	\$22,650.00	\$18,500.00	\$33,380.00
Site 4: 419 Carroll Road, Richmond, TX	\$15,709.32	\$15,777.00	\$18,343.00	\$21,100.00	\$20,987.00	\$30,120.00
Site 5: 1202 Aurelia Lane, Rosenberg, TX	\$13,567.14	\$10,777.00	\$8,585.00	\$10,800.00	\$14,600.00	\$17,440.00



**COUNTY PURCHASING AGENT**  
Fort Bend County, Texas

**Vendor Information**

Jaime Kovar  
County Purchasing Agent

Office (281) 341-8640

Legal Company Name (top line of W9)	Jay-B & Group Services, LLC		
Business Name (if different from legal name)			
Federal ID # or S.S. #	82-3620303	DUNS #	026899444
Type of Business	<input checked="" type="checkbox"/> Corporation/LLC <input type="checkbox"/> Sole Proprietor/Individual	<input type="checkbox"/> Partnership <input type="checkbox"/> Tax Exempt Organization	Age in Business? 8
Publicly Traded Business	<input type="checkbox"/> No <input type="checkbox"/> Yes Ticker Symbol _____		
Remittance Address	25335 Western Sage Ln.		
City/State/Zip	Richmond TX 77406		
Physical Address	5100 Westheimer Rd. Suite 200		
City/State/Zip	Houston TX 77056		
Phone/Fax Number	Phone: 713-954-4864 Fax: 877-404-0373		
Contact Person	Monday Omojuwa		
E-mail	services@jay-bgroup.com		
Check all that apply to the company listed above and provide certification number.	DBE-Disadvantaged Business Enterprise _____	Certification # _____	
	SBE-Small Business Enterprise <input checked="" type="checkbox"/>	Certification # 20-09-14687	
	HUB-Texas Historically Underutilized Business <input checked="" type="checkbox"/> (Inview)	Certification # _____	
	WBE-Women's Business Enterprise <input checked="" type="checkbox"/>	Certification # 20-09-14687S	
Company's gross annual receipts	<\$500,000 <input checked="" type="checkbox"/>	\$500,000-\$4,999,999 _____	
	\$5,000,000-\$16,999,999 _____	\$17,000,000-\$22,399,999 _____	
	>\$22,400,000 _____		
NAICs codes (Please enter all that apply)	238910		
Signature of Authorized Representative			
Printed Name	Monday Omojuwa		
Title	Managing Member   Owner		
Date	10/12/2020		

**THIS FORM MUST BE SUBMITTED WITH THE SOLICITATION RESPONSE**

**31.0 PRICING:**

Complete pricing per structure to include any and all fees. Contractor may bid on one (1) or more sites. Fort Bend County reserves the right to award contract to one (1) or more vendors.

<u>Site</u>	<u>Bid Price</u>
1: 36636 Stirrup Rd, Wallis, TX 77485	\$ <u>13,686.15</u>
2: 38107 Longhorn Rd, Wallis, TX 77485	\$ <u>14,519.22</u>
3: 408 Carroll Rd, Richmond, TX 77469	\$ <u>16,542.39</u>
4: 419 Carroll Rd, Richmond, TX 77469	\$ <u>15,709.32</u>
5. 1202 Aurelia Ln, Rosenberg, TX 77471	\$ <u>13,567.14</u>
Including Overhead and Miscellaneous =	\$2,775.78

**32.0 FEDERAL CLAUSES:**

Contractor understands and acknowledges that this Agreement may be totally or partially funded with federal and or state funds from the Federal Emergency Management Agency (FEMA). As a condition of receiving these funds, Contractor represents that it is and will remain in compliance with all federal and or state terms as stated below. These terms flow down to all third party contractors and their subcontracts at every tier that exceed the simplified acquisition threshold, unless a particular award term or condition specifically indicates otherwise. The Contractor shall require that these clauses shall be included in each covered transaction at any tier.

32.1 Equal Employment Opportunity.

During the performance of this contract, the Contractor agrees as follows:

32.1.1 Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

specifications may be required.

Method of Demolition or Removal:

- 30.6 Any standard method of demolition or removal of the structure(s) currently in use except burning or blasting shall be acceptable.
- 30.7 Asbestos air monitoring, if required under TCEQ regulations, will be conducted by the County's contractor. **If air monitoring is required, a ten (10) day notification to the County is required prior to the commencement of any asbestos abatement work.** Contractor will be responsible for any asbestos abatement related fees.

Site 1: 36636 Stirrup Rd, Wallis, TX 77485  
ASBESTOS IDENTIFIED  YES  NO

Site 2: 38107 Longhorn Rd, Wallis, TX 77485  
ASBESTOS IDENTIFIED  YES  NO

Site 3: 408 Carroll Rd, Richmond, TX 77469  
ASBESTOS IDENTIFIED  YES  NO

Site 4: 419 Carroll Rd, Richmond, TX 77469  
ASBESTOS IDENTIFIED  YES  NO

Site 5: 1202 Aurelia Ln, Rosenberg, TX 77471  
ASBESTOS IDENTIFIED  YES  NO

- 30.8 A stabilized construction entrance is required at all sites. If contractor gets mud on the street(s), the Contractor is to immediately have the mud removed and the street cleaned.
- 30.9 Concrete curb may be present along the street adjacent to the project site. New concrete curb installed over a pre-existing driveway entrance shall substantially match adjacent curbing. At minimum, the front and back of the curb shall be formed to match adjacent curb width. The installed concrete shall be finished to substantially match adjacent curb height and configuration. Any damage to the road surface shall be repaired in accordance with the following specification:



# Bid Proposal

## Proposal Submit To:

**Fort Bend County**

**Demolition Services for Disaster Dr**

**4269-006 & 4269-007**

**Address:** 301 Jackson, Suite 201

**City:** Richmond **State:** Texas, **Zip Code:** 77469

**Title:** BID 21-015

**Date of Plans:** 10/13/2020

## Work to Be Performed At:

### Address:

36636 Stirrup Rd, Wallis, TX 77485

38107 Longhorn Rd, Wallis, TX 77485

408 Carroll Rd, Richmond, TX 77469

419 Carroll Rd, Richmond, TX 77469

1202 Aurelia Ln, Rosenberg, TX 77471

**Date of Execution:**     /     / 2020

**Contract Completion Date:** 60 Days

Plan. Execute. Manage

5100 Westheimer Rd. Suite 200 Houston TX 77056

[www.jay-bgroup.com](http://www.jay-bgroup.com)



# Jay-B & Group Services, LLC

General Contracting | Construction | Renovation | Remodeling | Demolition | Building Improvement

Date: October 12, 2020

First Bid 10/12/2020

Attn: Fort Bend County  
Company: N/A  
Address: 301 Jackson, Suite 201  
Richmond, TX 77469  
Phone: N/A  
Email: N/A

**RE: Demolition BID # 21-015**

**Project Title: Complete Demolition to Ground Zero (Unoccupied Building)**

**Project Type: Residential Property**

Jay-B & Group Services, LLC is pleased to present our proposal for your consideration.

Jay-B & Group will furnish all Necessary Supervision, Labor, Equipment, Demolition Permit (if applicable), Gas and Sewer Disconnect (if applicable), Materials, Legal Disposal and Insurance, Payment and Performance Bonds (Per Request) to Demolish and Remove all debris from site.

**(NOTE)** ASBESTOS SURVEY IS REQUIRED BY THE CITY PERMITS OFFICE FOR ALL COMMERCIAL BUILDINGS BEFORE PERMITS CAN BE ISSUE OR ANY TYPE OF WORK CAN START. PROPERTY OWNER IS REQUIRED TO PROVIDE ASBESTOS SURVEY TO **JAY-B & GROUP SERVICES, LLC** AT OWNERS EXPENCE BEFORE DEMOLITION PERMIT CAN BE FILE. OTHERWISE, IF JAY-B & GROUP SERVICES PROVIDES THE ASBESTOS SURVEY, THE PROPERTY OWNER SHALL REIMBURSE JAY-B & GROUP SERVICES (Please Disregard if it's not applicable to your project).

**NOTE: (DOES NOT APPLY TO THIS BID)**

A PRE-DEMOLITION INSPECTION MAY BE REQUIRED TO IDENTIFY MATERIALS THAT SHOULD (OR MUST) BE REMOVED FROM BUILDINGS PRIOR TO DEMOLITION. DEPENDING ON CITY REGULATIONS. SUCH MATERIALS AS TREE, GRASS AND FENCE ETC.

## Scope of Work

### **PRE-DEMOLITION PROCESS:**

#### **1. PHASE I – Building Asbestos Survey: = Not Applicable (Completed by Owner)**

Our Experts team will examine the different characteristics of the building, such as the materials, building usage, method of construction, condition, draining conditions, traffic conditions, building codes, and neighboring communities. A study of these parameters will help to dictate the best demolition method.

Jay-B will provide this service through our licensed party, to run a series of samples to determine if the building will require an abatement of asbestos or other materials that needed to be removed prior to demolition. Jay-B will complete the survey for the owner at a cost which is separate from the actual cost of demolition except otherwise stated in the bid as been included.

## 2. PHASE II – Removal of Hazardous Materials: = Not Found Per Survey Report

Jay-B Group will have specialized licensed personnel to remove dangerous materials from the building prior to demolition, such as asbestos minerals (abatement), radioactive substances, flammable materials, and petroleum contamination (if present). This will be determined after a report has been issued by the consultant with a defined scope of work for containment, removal and disposal (If any is present) Mostly for commercial property

## 3. PHASE III - Demolition Plan and Permit:

Jay-B will craft a detailed plan illustrating what will be involved in the demolition, how it will be carried out, the equipment that will be used (stated below), and how much debris will need to be clean up. Once clearance has been issued, demolition will begin by filing for permits with the following steps.

- A. Our Licensed Plumber will Pull permit from *City of Richmond* to disconnect sewer and water.
- B. CenterPoint Energy will be called to do a gas kill to disconnect the gas line from the main.
- C. Electricity must be called in by owner for disconnection from the pole (Electrical cable off pole).
- D. Demolition permit will be issued as soon as we can provide the evidence of Phase I, Phase II, and Phase III (A, B, and C).

## 4. PHASE IV – Safety Measure and Demolition Begin:

Jay-B will select the safest and most efficient demolition method that stays within customer budget. Demolition will begin with the building being demolished from the inside out to separate the recycle materials, debris, bricks and metals from each other. Procedures are as followed.

- A. We will bring small equipment such as mini excavators, bob cats, generators and manual hand tools for interior demo.
- B. All trash and debris will be pushed outside in a designated area for debris pick up.
- C. All metal will be separated for recycling.
- D. We will have 18 wheelers and containers come in to be loaded with trash
- E. We will be using water hose to wet the trash and debris to reduce dust build up in the air If applicable

## 5. PHASE V - Excavator Demolition:

Big excavators will be utilized for structure demolition such as a Volvo C210 and a Case X80 once the interior demo is done

- A. Removal of Bee from Property at no charge (Complimentary No Charge) If Present
- B. Excavators will break down all walls and structures of the building till it is completely on the ground.
- C. We will continue to break and chop debris to load out in the dumpsters.
- D. We will take down any surrounding vegetation that owner designates to dispose of. N/A  
(Customer must notify project manager which vegetation to be removed during this phase).
- E. Lot will be Cleared of Debris and Trash Resulting of Demolishing the Building.

## 6. PHASE VI – Excavate Sidewalk and Driveway

Big excavators will be utilized for sidewalk and driveway demolition with the same equipment such as a Volvo C210 and a Case X80 once the exterior demo is completed

- A. Excavators will break downside walk and driveways that leads to the building garage.
- B. We will continue to break and chop debris to load out in the dumpsters.
- C. Lot will be Cleared of Debris and Trash Resulting from the concrete slabs.
- D. We will take down any surrounding vegetation that owner designates to dispose of (if any)

**SALVAGE MATERIALS VALUE**

Deconstruction, Reuse and Recycling (Pre-Demolition Salvage of Material Value). Base on the structure and the building style, the salvage value for all doors, fixtures, metals, scrap metal, aluminum, copper, and copper wiring etc. is not applicable for residential demolition.

**7. PHASE VII Foundation Demo and Removal:**

Excavator with a hammer attachment will be brought in to break the concrete Foundation.

- A. Excavator with hammer will break concrete in all areas.
- B. Larger Excavator will Be loading concrete to be taken to the recycling yards.
- C. All Piers and foundation will be removed and hauled away.
- D. Lot will be graded and leveled with existing dirt.

The **PHASE VII** portion of this Project (Foundation Removal) including machinery, concrete haul away, and grading totals already included in estimate which include recycling concrete.

All the address below shall be demolished. The Summary scope of work shall include the following if applicable: Permits, Survey, Machinery Operator, Demolition (entire lots), Manual Labor, Loader and trash removal, Bee removal, disconnects and grading.

**JAY-B & GROUP SERVICES, LLC will Perform this Work for an Individual Price Stated Below:**

Property Address/Unit #:	Sq. Ft	Price/SF	Total Cost	Permit Required
36636 Stirrup Rd, Wallis, TX 77485	2842		13,686.15	Yes
38107 Longhorn Rd, Wallis, TX 77485	3735		14,519.22	Yes
408 Carroll Rd, Richmond, TX 77469	5200		16,542.39	Yes
419 Carroll Rd, Richmond, TX 77469	4070		15,709.32	Yes
1202/1202A Aurelia Ln, Rosenberg, TX 77471	2400		13,567.14	Yes
Overhead and Miscellaneous Cost			2,775.78	
<b>Total</b>			<b>\$76,800.00</b>	

Amount in Words:

**SEVENTY SIX THOUSAND EIGHT HUNDRED**

# Jay-B & Group Services, LLC

**Payment Terms and Condition:** (Net 30) For Local Government and Federal Government Project Only  
Payment terms is stated on the contract below. 40% is due upfront for the project and final balance is due upon completing the demolition project.

JBGs LLC Reserves the Rights to ALL Metals, Scrap Metal, Aluminum, Copper, And Copper Wiring of the project in question.

**NOTES:** This Proposal is for Demolition of the unoccupied building at the above address and the removal of all debris in the above property ONLY.  
This Proposal Does NOT Include Asbestos Survey, Abatement/ Asbestos Removal of Asbestos Survey if Positive for Asbestos. This Proposal does not include healthy tree removal, or Additional land fill Dirt.

*Thank You for the Opportunity to Present Our Proposal. If You have any Questions or Need Additional Information, please do not Hesitate to Contact Us at 713-954-4864 or 713-900-4609. Remember We are Here to Help You in any way we can Legally do.*

Proposal Prepared By: JAY-B & GROUP SERVICES, LLC

Proposal Signed By: Monday Omojuwa

Sign:



Date: 10/12/2020

Proposal Accepted By: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Public Notary

\_\_\_\_\_  
Date:



# JAY-B GROUP SERVICES, LLC

www.jay-bgroup.com

## CAPABILITY STATEMENT

### About the Company

Jay-B Group Services, LLC is based in Houston, Texas and has been in business as a **General Contractor** for more than 8 years. The company principal owners are degreed professionals with a more than 25 years of combined experience in project management, business administration and project execution. The company specializes in commercial and residential construction, remodeling and renovation, demolition, and concrete projects. Jay-B Group Services, LLC is a *minority* and *veteran* owned business. Our contact information and social media platform are:

JAY-B & GROUP SERVICES, LLC  
5100 Westheimer Rd. Ste 200, Houston TX 77056  
www.jay-bgroup.com  
Office: (281) 612-8123 | (713) 954-4864

### Core Competencies

Our organizational goal is to supply value-added turnkey construction or demolition solutions for our customers located in Texas and the extended Gulf Coast. Safety is at the very core of our culture. In fact, in our 8+ years of operations, we are proud to report a perfect safety record. The company is fully insured, bonded and compliant with all state and federal regulatory requirements. Exceptional controls, qualified personnel and well-executed project management is at the heart of our success. Our passion is “customer satisfaction” and we consistently strive to deliver excellence. Previous projects are listed below.

Completed Projects	Differentiators
<p><b>City of Houston Commercial Property</b> Interior Demolition and Remediation 12550 Water Works Blvd, Houston TX 77396 Richard Sachs 832-962-1682</p> <p><b>Winners Chapel International Church</b> Commercial Property. Multiple Project 11230 Harwin Dr. Houston TX 77072 Eke Anya   806-401-1554</p> <p><b>Demolition of Residential Property</b> 4336 Cynthia St Bellaire, TX 77401 Michael S. Holmes   713-728-2300</p>	<ul style="list-style-type: none"> <li>• Safety is our number one <u>priority</u></li> <li>• Perfect safety record</li> <li>• Highly qualified management team &amp; staff</li> <li>• Highly skilled technicians &amp; crafts</li> <li>• Competitive pricing – value added</li> <li>• Comprehensive portfolio of service (turnkey)</li> <li>• Reputable &amp; reliable</li> <li>• Responsive to our customers 24/7/365</li> <li>• OSHA compliant</li> <li>• State of Texas Compliant</li> <li>• Abatement &amp; LEAD certified</li> <li>• Fully licensed &amp; bonded</li> <li>• We listen!</li> </ul>

Other Relevant Information
<ul style="list-style-type: none"> <li>• HUB Zone</li> <li>• MBE, SBE and WBE</li> <li>• Dun &amp; Brådstreet (DUNS) 026899444</li> <li>• NAICS codes 236115, 236118</li> <li>• Vendor Number 159721</li> <li>• We accept multiple forms of payment (<i>check, bank draft, All Major credit cards accepted</i>)</li> </ul>

# Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
**Jay-B & Group Services, LLC**

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC     C Corporation     S Corporation     Partnership     Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ \_\_\_\_\_

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ▶ \_\_\_\_\_

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):  
 Exempt payee code (if any) \_\_\_\_\_  
 Exemption from FATCA reporting code (if any) \_\_\_\_\_  
*(Applies to accounts maintained outside the U.S.)*

5 Address (number, street, and apt. or suite no.) See instructions.  
**5100 Westheimer Rd. Ste 200**

6 City, state, and ZIP code  
**Houston, TX 77056**

7 List account number(s) here (optional)

Requester's name and address (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Social security number**

			-			-				
--	--	--	---	--	--	---	--	--	--	--

or

**Employer identification number**

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

## Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here

Signature of U.S. person ▶



Date ▶ 10/09/2020

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

Job No.: B21-015

**TAX FORM/DEBT/ RESIDENCE CERTIFICATION**  
**(for Advertised Projects)**

Taxpayer Identification Number (T.I.N.): 3-20639-9806-9

Company Name submitting Bid/Proposal: 5100 Westheimer Rd. Ste 200

Mailing Address: Houston, TX 77056

Are you registered to do business in the State of Texas?  Yes  No

If you are an individual, list the names and addresses of any partnership of which you are a general partner or any assumed name(s) under which you operate your business  
10/12/2020

I. **Property:** List all taxable property in Fort Bend County owned by you or above partnerships as well as any d/b/a names. Include real and personal property as well as mineral interest accounts. (Use a second sheet of paper if necessary.)

Fort Bend County Tax Acct. No.\*  
2159050010220901/M192

Property address or location\*\*  
25335 Western Sage Ln. Richmond TX 77406

\* This is the property account identification number assigned by the Fort Bend County Appraisal District.

\*\* For real property, specify the property address or legal description. For business personal property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored at a warehouse or other location.

II. **Fort Bend County Debt** - Do you owe any debts to Fort Bend County (taxes on properties listed in I above, tickets, fines, tolls, court judgments, etc.)?

Yes  No

If yes, attach a separate page explaining the debt.

III. **Residence Certification** - Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Fort Bend County requests Residence Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

(3) "Nonresident bidder" refers to a person who is not a resident.

(4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

I certify that Jay-B & Group Services, LLC is a Resident Bidder of Texas as defined in Government Code §2252.001.  
[Company Name]

I certify that \_\_\_\_\_ is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is \_\_\_\_\_  
[Company Name]

[City and State]

FORT BEND MUD #142  
 Catherine Wheeler, Tax A/C  
 6935 Barney Rd. #110  
 Houston TX 77092  
 (713) 462-8906  
 www.wheelerassoc.com

2020  
 TAX STATEMENT



**Owner Name and Address:**  
 OMOJUWA MONDAY N  
 25335 WESTERN SAGE LN  
 RICHMOND TX 77406-7874

Orig. Billing Date	10/1/2020
Delinquent Date	2/1/2021
Jurisdiction Code	M192
CAD No	2159050010220901
Billing Type	ORIGINAL

**Property Information**

BRISCOE FALLS SEC 5, BLOCK 1, LOT 22  
 Acreage: 0

**Service Address**

25335 WESTERN SAGE LN RICHMOND, TX 77406  
 77406

**Valuation**

Land	\$43,540
Improvements	\$180,680
Homestead Exemption	\$0
<b>Total Taxable</b>	<b>\$224,220</b>

Tax Unit	Assessment Ratio	Taxable Value	Tax Rate Per \$100
Ft Bend MUD #142	100%	\$224,220	0.75000
Tax Levied			\$1,681.65
<b>Total Amount Due Upon Receipt</b>			<b>\$1,681.65</b>

Tax Year	Appraised Value	Taxable Value	Tax Rate	Tax Amount	Diff			
<b>5 Year History With Tax Amount Percent Gain/Loss</b>								
2020	\$224,220	\$224,220	0.75000	\$1,681.65	623%			
2019	\$31,000	\$31,000	0.75000	\$232.50	0%			
2018	\$31,000	\$31,000	0.75000	\$232.50	94%			
2017	\$16,000	\$16,000	0.75000	\$120.00	100%			
2016	Data not available							
2015	Data not available							
<b>5 Year Comparison With Percent Gain/Loss</b>								
2020	\$224,220	100%	\$224,220	100%	0.75000	100%	\$1,681.65	100%
2015	Data not available							

**TAXES ARE DUE UPON RECEIPT**  
**TAXES WILL BECOME DELINQUENT AFTER JANUARY 31ST. MAIL MUST BE POST-MARKED ON OR BEFORE JANUARY 31 TO AVOID PENALTY AND INTEREST.**  
 Payments received after January 31st are subjected to the following penalty and interest schedule. Add 1% interest each month thereafter.

Feb 6%+1%	Apr 8%+3%	Jun 10%+5%
Mar 7%+2%	May 9%+4%	Jul 12%+6% **

\*\* An additional one time charge of 20% for collection will be added after June 30.

Please contact the appraisal district concerning any corrections in ownership, address changes, valuation protests or exemptions. Value is based on 100% market value. Late application for Ag Open Space, Timber - 10% penalty. Late filing of renditions - 10% penalty.  
 Note 1: Property Owners in the State of Texas are entitled to certain exemptions that reduce the amount of taxes that they pay. There may be a general homestead exemption for persons who own and occupy their home on or before January 1. There may be an exemption available on the homestead for persons over 65 years of age or are disabled. These exemptions vary depending upon the governing body. Disabled veterans may file a partial exemption on their property.  
 YOU SHOULD CONTACT THE APPRAISAL DISTRICT REGARDING ANY ENTITLEMENT, DEFERMENT OR EXEMPTIONS YOU MAY HAVE. IF THE PROPERTY DESCRIBED IN THIS DOCUMENT IS YOUR RESIDENCE HOMESTEAD, YOU SHOULD CONTACT FORT BEND MUD #142 REGARDING A RIGHT YOU MAY HAVE TO ENTER INTO AN INSTALLMENT AGREEMENT DIRECTLY WITH FORT BEND MUD #142 FOR THE PAYMENT OF THESE TAXES.

**Please mail this portion and payment in the enclosed envelope.**

\* If you escrow, please verify with your Mortgage Company that they have received this information. Otherwise, this is your tax bill. \*

**2020 ORIGINAL TAX STATEMENT**

OMOJUWA MONDAY N  
 25335 WESTERN SAGE LN  
 RICHMOND TX 77406-7874

**MAKE CHECKS PAYABLE TO:**

**FORT BEND MUD #142**  
 Catherine Wheeler, Tax A/C  
 P. O. BOX 4383  
 HOUSTON TX 77210

Orig. Billing Date	10/1/2020			
Delinquent Date	2/1/2021			
Jurisdiction Code	M192			
CAD No	2159050010220901			
Billing Type	ORIGINAL			
If Paid	Penalty	Interest	Collection	Amount Due
In Oct 2020				\$1,681.65
In Nov 2020				\$1,681.65
In Dec 2020				\$1,681.65
In Jan 2021				\$1,681.65
In Feb 2021	6%	1%		\$1,799.37
In Mar 2021	7%	2%		\$1,833.00
<b>Amount of Your Payment</b>				

7192 0M19216 00002159050010220901 2020 02012021 00168165 4

**Mandatory Form**



**Contractor Acknowledgement of Stormwater Management Program**

I hereby acknowledge that I am aware of the stormwater management program and standard operating procedures developed by Fort Bend County in compliance with the TPDES General Permit No. TXR040000. I agree to comply with all applicable best management practices and standard operating procedures while conducting my services for Fort Bend County. I agree to conduct all services in a manner that does not introduce illicit discharges of pollutants to streets, stormwater inlets, drainage ditches or any portion of the drainage system. The following materials and/or pollutant sources must not be discharged to the drainage system as a result of any services provided:

1. Grass clippings, leaves, mulch, rocks, sand, dirt or other waste materials resulting from landscaping activities, (except those materials resulting from ditch mowing or maintenance activities)
2. Herbicides, pesticides and/or fertilizers, (except those intended for aquatic use)
3. Detergents, fuels, solvents, oils and/or lubricants, other equipment and/or vehicle fluids,
4. Other hazardous materials including paints, thinners, chemicals or related waste materials,
5. Uncontrolled dewatering discharges, equipment and/or vehicle wash waters,
6. Sanitary waste, trash, debris, or other waste products
7. Wastewater from wet saw machinery,
8. Other pollutants that degrade water quality or pose a threat to human health or the environment.

Furthermore, I agree to notify Fort Bend County immediately of any issue caused by or identified by:

**Jay-B & Group Services, LLC**

(Company/Contractor)

that is believed to be an immediate threat to human health or the environment.

Contractor Signature

A handwritten signature in black ink, appearing to read "Monday Omojuwa", is written over a horizontal line.

10/12/2020

Date

**Monday Omojuwa**

Printed Name

**Operation Manager | Owner**

Title

**CONFLICT OF INTEREST QUESTIONNAIRE**  
For vendor doing business with local governmental entity

**FORM CIQ**

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

**OFFICE USE ONLY**

Date Received

**1** Name of vendor who has a business relationship with local governmental entity.

Not Applicable

**2**  Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3** Name of local government officer about whom the information is being disclosed.

None

Name of Officer

**4** Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?


Yes  No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes  No

**5** Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

**6**  Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**  
  
Signature of vendor doing business with the governmental entity

10/09/2020  
Date

Contract Sheet  
Bid 21-015

THE STATE OF TEXAS  
COUNTY OF FORT BEND

This memorandum of agreement made and entered into on the 27 day of October, 2020, by and between Fort Bend County in the State of Texas (hereinafter designated County), acting herein by County Judge KP George, by virtue of an order of Fort Bend County Commissioners Court, and Jay-B & Group Services, LLC (hereinafter designated Contractor).  
(company name)

WITNESSETH:

The Contractor and the County agree that the bid and specifications for the **Demolition Services for Disaster DR 4269-006 & 4269-007** which are hereto attached and made a part hereof, together with this instrument and the bond (when required) shall constitute the full agreement and contract between parties and for furnishing the items set out and described; the County agrees to pay the prices stipulated in the accepted bid.

It is further agreed that this contract shall not become binding or effective until signed by the parties hereto and a purchase order authorizing the items desired has been issued.

Executed at Richmond, Texas this 27 day of October, 2020.



Fort Bend County, Texas

By: \_\_\_\_\_  
County Judge, KP George



By: \_\_\_\_\_  
Signature of Contractor

By: Operation Manager | Owner  
Printed Name and Title



**COUNTY PURCHASING AGENT**  
Fort Bend County, Texas

**Vendor Information**

Jaime Kovar  
County Purchasing Agent

Office (281) 341-8640

Legal Company Name (top line of W9)	Arkitektura Development Inc.		
Business Name (if different from legal name)			
Federal ID # or S.S. #	27-1999204	DUNS #	
Type of Business	<input checked="" type="checkbox"/> Corporation/LLC <input type="checkbox"/> Sole Proprietor/Individual	<input type="checkbox"/> Partnership <input type="checkbox"/> Tax Exempt Organization	Age in Business?
Publicly Traded Business	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Ticker Symbol _____		
Remittance Address	705 Harborside Way		
City/State/Zip	Kemah, Texas 77565		
Physical Address	705 Harborside Way		
City/State/Zip	Kemah, Texas 77565		
Phone/Fax Number	Phone: 281-957-9192 Fax: 281-957-9192		
Contact Person	Phillip Contreras		
E-mail	condg1@yahoo.com		
Check all that apply to the company listed above and provide certification number.	DBE-Disadvantaged Business Enterprise _____	Certification # _____	
	SBE-Small Business Enterprise _____	Certification # _____	
	HUB -Texas Historically Underutilized Business <input checked="" type="checkbox"/>	Certification # _____	
	WBE-Women's Business Enterprise _____	Certification # _____	
Company's gross annual receipts	<\$500,000 _____	\$500,000-\$4,999,999 _____	
	\$5,000,000-\$16,999,999 _____	\$17,000,000-\$22,399,999 _____	
	>\$22,400,000 _____		
NAICs codes (Please enter all that apply)	238910		
Signature of Authorized Representative			
Printed Name	Phillip Contreras		
Title	Owner		
Date	October 2, 2020		

**THIS FORM MUST BE SUBMITTED WITH THE SOLICITATION RESPONSE**

**31.0 PRICING:**

Complete pricing per structure to include any and all fees. Contractor may bid on one (1) or more sites. Fort Bend County reserves the right to award contract to one (1) or more vendors.

<u>Site</u>	<u>Bid Price</u>
1: 36636 Stirrup Rd, Wallis, TX 77485	\$ <u>15,777.<sup>00</sup></u>
2: 38107 Longhorn Rd, Wallis, TX 77485	\$ <u>15,777.<sup>00</sup></u>
3: 408 Carroll Rd, Richmond, TX 77469	\$ <u>15,777.<sup>00</sup></u>
4: 419 Carroll Rd, Richmond, TX 77469	\$ <u>15,777.<sup>00</sup></u>
5: 1202 Aurelia Ln, Rosenberg, TX 77471	\$ <u>10,777.<sup>00</sup></u>

**32.0 FEDERAL CLAUSES:**

Contractor understands and acknowledges that this Agreement may be totally or partially funded with federal and or state funds from the Federal Emergency Management Agency (FEMA). As a condition of receiving these funds, Contractor represents that it is and will remain in compliance with all federal and or state terms as stated below. These terms flow down to all third party contractors and their subcontracts at every tier that exceed the simplified acquisition threshold, unless a particular award term or condition specifically indicates otherwise. The Contractor shall require that these clauses shall be included in each covered transaction at any tier.

32.1 Equal Employment Opportunity.

During the performance of this contract, the Contractor agrees as follows:

32.1.1 Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

**Contract Sheet  
Bid 21-015**

**THE STATE OF TEXAS  
COUNTY OF FORT BEND**

This memorandum of agreement made and entered into on the 27<sup>th</sup> day of October, 2020, by and between Fort Bend County in the State of Texas (hereinafter designated County), acting herein by County Judge KP George, by virtue of an order of Fort Bend County Commissioners Court, and Arkitkora Development Inc (hereinafter designated Contractor).

WITNESSETH:

The Contractor and the County agree that the bid and specifications for the **Demolition Services for Disaster DR 4269-006 & 4269-007** which are hereto attached and made a part hereof, together with this instrument and the bond (when required) shall constitute the full agreement and contract between parties and for furnishing the items set out and described; the County agrees to pay the prices stipulated in the accepted bid.

It is further agreed that this contract shall not become binding or effective until signed by the parties hereto and a purchase order authorizing the items desired has been issued.

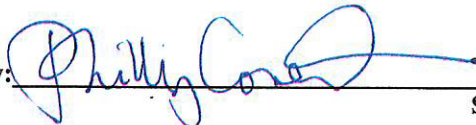
Executed at Richmond, Texas this 27 day of October, 2020.

Fort Bend County, Texas



County Judge KP George

By: \_\_\_\_\_  
County Judge, KP George

By:  \_\_\_\_\_  
Signature of Contractor

By: Phillip Contreras, Owner \_\_\_\_\_  
Printed Name and Title

Job No.: 21-015

**TAX FORM/DEBT/RESIDENCE CERTIFICATION**  
(for Advertised Projects)

Taxpayer Identification Number (T.I.N.): 27-1999204

Company Name submitting Bid/Proposal: Arkitektura Development Inc

Mailing Address: 705 Harborside Way, Kemah, TX. 77505

Are you registered to do business in the State of Texas?  Yes  No

If you are an individual, list the names and addresses of any partnership of which you are a general partner or any assumed name(s) under which you operate your business

I. **Property:** List all taxable property in Fort Bend County owned by you or above partnerships as well as any d/b/a names. Include real and personal property as well as mineral interest accounts. (Use a second sheet of paper if necessary.)

<u>Fort Bend County Tax Acct. No.*</u>	<u>Property address or location**</u>

\* This is the property account identification number assigned by the Fort Bend County Appraisal District.  
 \*\* For real property, specify the property address or legal description. For business personal property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored at a warehouse or other location.

II. **Fort Bend County Debt** - Do you owe any debts to Fort Bend County (taxes on properties listed in I above, tickets, fines, tolls, court judgments, etc.)?  
 Yes  No  If yes, attach a separate page explaining the debt.

III. **Residence Certification** - Pursuant to Texas Government Code §2252.001 et seq., as amended, Fort Bend County requests Residence Certification. §2252.001 et seq. of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

I certify that Arkitektura Development is a Resident Bidder of Texas as defined in Government Code §2252.001.  
 [Company Name]

I certify that \_\_\_\_\_ is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is Kemah, Texas.  
 [Company Name] [City and State]

**Mandatory Form**



**Contractor Acknowledgement of Stormwater Management Program**

I hereby acknowledge that I am aware of the stormwater management program and standard operating procedures developed by Fort Bend County in compliance with the TPDES General Permit No. TXR040000. I agree to comply with all applicable best management practices and standard operating procedures while conducting my services for Fort Bend County. I agree to conduct all services in a manner that does not introduce illicit discharges of pollutants to streets, stormwater inlets, drainage ditches or any portion of the drainage system. The following materials and/or pollutant sources must not be discharged to the drainage system as a result of any services provided:

1. Grass clippings, leaves, mulch, rocks, sand, dirt or other waste materials resulting from landscaping activities, (except those materials resulting from ditch mowing or maintenance activities)
2. Herbicides, pesticides and/or fertilizers, (except those intended for aquatic use)
3. Detergents, fuels, solvents, oils and/or lubricants, other equipment and/or vehicle fluids,
4. Other hazardous materials including paints, thinners, chemicals or related waste materials,
5. Uncontrolled dewatering discharges, equipment and/or vehicle wash waters,
6. Sanitary waste, trash, debris, or other waste products
7. Wastewater from wet saw machinery,
8. Other pollutants that degrade water quality or pose a threat to human health or the environment.

Furthermore, I agree to notify Fort Bend County immediately of any issue caused by or identified by:

Arkielkora Development Inc.

(Company/Contractor)

that is believed to be an immediate threat to human health or the environment.

Phillip Contreras

Contractor Signature

10.2.2020

Date

Phillip Contreras

Printed Name

Owner

Title



## Demolition Reference List

1. Demolition  
Pasadena Residence  
900 Palmetto Drive  
Pasadena, Texas 77506  
Monica Martinez, City of Pasadena HOME Program Coordinator  
713-920-7952 (office)  
832-867-9042 (cell)
  
2. Demolition  
Pasadena Residence  
609 Garrett Street  
Pasadena, Texas 77506  
Monica Martinez, City of Pasadena HOME Program Coordinator  
713-920-7952 (office)  
832-867-9042 (cell)
  
3. Demolition  
City of Friendswood, Gary Williams, 281-650-7714  
220 Shadewell Street  
Friendswood, Texas 77546  
Gary Williams, City of Friendswood Parks and Recreation Assistant Director  
281-996-3220 (office)  
281-650-7714 (cell)

## Request for Taxpayer Identification Number and Certification

**Give Form to the  
 requester. Do not  
 send to the IRS.**

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>Arkitektura Development, Inc.</b>			
	2 Business name/disregarded entity name, if different from above			
	3 Check appropriate box for federal tax classification; check <b>only one</b> of the following seven boxes:		4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>	
	<input type="checkbox"/> Individual/sole proprietor or single-member LLC	<input checked="" type="checkbox"/> C Corporation		<input type="checkbox"/> S Corporation
	<input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____	<input type="checkbox"/> Partnership		
	<input type="checkbox"/> Trust/estate	<input type="checkbox"/> Other (see instructions) ▶ _____		
	5 Address (number, street, and apt. or suite no.) <b>705 Harborside Way</b>		Requester's name and address (optional)	
6 City, state, and ZIP code <b>Kemah, Texas 77565</b>				
7 List account number(s) here (optional)				

### Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

<b>Social security number</b>								
or								
<b>Employer identification number</b>								
2	7		-	1	9	9	9	2
								4

**Note.** If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

### Part II Certification

- Under penalties of perjury, I certify that:
- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
  - I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
  - I am a U.S. citizen or other U.S. person (defined below); and
  - The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

**Sign Here** Signature of U.S. person ▶

Date ▶ **October 12, 2020**

### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.  
**Future developments.** Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/fw9](http://www.irs.gov/fw9).

#### Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
  - Form 1099-C (canceled debt)
  - Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.
- If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.*
- By signing the filled-out form, you:
- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
  - Certify that you are not subject to backup withholding, or
  - Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
  - Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



**COUNTY PURCHASING AGENT**  
**Fort Bend County, Texas**

**Vendor Information**

Jaime Kovar  
 County Purchasing Agent

Office (281) 341-8640

Legal Company Name (top line of W9)	Inland Environments Ltd.		
Business Name (if different from legal name)			
Federal ID # or S.S. #	76-0627915	DUNS #	10-678-6358
Type of Business	<input type="checkbox"/> Corporation/LLC <input type="checkbox"/> Sole Proprietor/Individual	<input checked="" type="checkbox"/> Partnership <input type="checkbox"/> Tax Exempt Organization	Age in Business? 20 yrs
Publicly Traded Business	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Ticker Symbol _____		
Remittance Address	PO Box 6751		
City/State/Zip	Kingwood, TX 77325		
Physical Address	25380 Sorters Road		
City/State/Zip	Porter, TX 77365		
Phone/Fax Number	Phone: 281-354-7500 Fax: 281-354-7540		
Contact Person	Jed Landrey		
E-mail	Jed@InlandEnvironments.com		
Check all that apply to the company listed above and provide certification number.	DBE-Disadvantaged Business Enterprise _____	Certification # _____	
	SBE-Small Business Enterprise _____	Certification # _____	
	HUB -Texas Historically Underutilized Business <input checked="" type="checkbox"/>	Certification # 1760627915000	
	WBE-Women's Business Enterprise _____	Certification # _____	
Company's gross annual receipts	<\$500,000 _____	\$500,000-\$4,999,999 <input checked="" type="checkbox"/>	
	\$5,000,000-\$16,999,999 _____	\$17,000,000-\$22,399,999 _____	
	>\$22,400,000 _____		
NAICs codes (Please enter all that apply)	562910 - Remediation and 238910 - Demolition		
Signature of Authorized Representative			
Printed Name	Jed Landrey		
Title	Vice President		
Date	10/12/20		

**THIS FORM MUST BE SUBMITTED WITH THE SOLICITATION RESPONSE**

**31.0 PRICING:**

Complete pricing per structure to include any and all fees. Contractor may bid on one (1) or more sites. Fort Bend County reserves the right to award contract to one (1) or more vendors.

<u>Site</u>	<u>Bid Price</u>
1: 36636 Stirrup Rd, Wallis, TX 77485	\$ <u>19,534.00</u>
2: 38107 Longhorn Rd, Wallis, TX 77485	\$ <u>18,639.00</u>
3: 408 Carroll Rd, Richmond, TX 77469	\$ <u>19,259.00</u>
4: 419 Carroll Rd, Richmond, TX 77469	\$ <u>18,343.00</u>
5. 1202 Aurelia Ln, Rosenberg, TX 77471	\$ <u>8,585.00</u>

**32.0 FEDERAL CLAUSES:**

Contractor understands and acknowledges that this Agreement may be totally or partially funded with federal and or state funds from the Federal Emergency Management Agency (FEMA). As a condition of receiving these funds, Contractor represents that it is and will remain in compliance with all federal and or state terms as stated below. These terms flow down to all third party contractors and their subcontracts at every tier that exceed the simplified acquisition threshold, unless a particular award term or condition specifically indicates otherwise. The Contractor shall require that these clauses shall be included in each covered transaction at any tier.

32.1 Equal Employment Opportunity.

During the performance of this contract, the Contractor agrees as follows:

32.1.1 Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

**Contract Sheet  
Bid 21-015**

**THE STATE OF TEXAS  
COUNTY OF FORT BEND**

This memorandum of agreement made and entered into on the 27 day of October, 2020, by and between Fort Bend County in the State of Texas (hereinafter designated County), acting herein by County Judge KP George, by virtue of an order of Fort Bend County Commissioners Court, and Inland Environments Ltd.  
(company name)  
(hereinafter designated Contractor).

WITNESSETH:

The Contractor and the County agree that the bid and specifications for the **Demolition Services for Disaster DR 4269-006 & 4269-007** which are hereto attached and made a part hereof, together with this instrument and the bond (when required) shall constitute the full agreement and contract between parties and for furnishing the items set out and described; the County agrees to pay the prices stipulated in the accepted bid.

It is further agreed that this contract shall not become binding or effective until signed by the parties hereto and a purchase order authorizing the items desired has been issued.

Executed at Richmond, Texas this 27 day of October, 2020.



Fort Bend County, Texas

By: \_\_\_\_\_

County Judge KP George

**County Judge, KP George**

By: \_\_\_\_\_



**Signature of Contractor**

By: \_\_\_\_\_

Jed Landrey, Vice President

**Printed Name and Title**



Job No.: \_\_\_\_\_

**TAX FORM/DEBT/ RESIDENCE CERTIFICATION**  
**(for Advertised Projects)**

Taxpayer Identification Number (T.I.N.): 76-0627915

Company Name submitting Bid/Proposal: Inland Environments Ltd.

Mailing Address: PO Box 6751, Kingwood, TX 77325

Are you registered to do business in the State of Texas?  Yes  No

If you are an individual, list the names and addresses of any partnership of which you are a general partner or any assumed name(s) under which you operate your business

Jed & Lori Landrey

I. **Property:** List all taxable property in Fort Bend County owned by you or above partnerships as well as any d/b/a names. Include real and personal property as well as mineral interest accounts. (Use a second sheet of paper if necessary.)

<u>Fort Bend County Tax Acct. No.*</u>	<u>Property address or location**</u>
<u>N/A</u>	<u>None</u>
_____	_____
_____	_____
_____	_____

\* This is the property account identification number assigned by the Fort Bend County Appraisal District.  
 \*\* For real property, specify the property address or legal description. For business personal property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored at a warehouse or other location.

II. **Fort Bend County Debt** - Do you owe any debts to Fort Bend County (taxes on properties listed in I above, tickets, fines, tolls, court judgments, etc.)?

Yes   No If yes, attach a separate page explaining the debt.

III. **Residence Certification** - Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Fort Bend County requests Residence Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

I certify that Inland Environments is a Resident Bidder of Texas as defined in Government Code §2252.001.  
[Company Name]

I certify that \_\_\_\_\_ is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is \_\_\_\_\_.  
[Company Name] [City and State]

**Mandatory Form**



**Contractor Acknowledgement of Stormwater Management Program**

I hereby acknowledge that I am aware of the stormwater management program and standard operating procedures developed by Fort Bend County in compliance with the TPDES General Permit No. TXR040000. I agree to comply with all applicable best management practices and standard operating procedures while conducting my services for Fort Bend County. I agree to conduct all services in a manner that does not introduce illicit discharges of pollutants to streets, stormwater inlets, drainage ditches or any portion of the drainage system. The following materials and/or pollutant sources must not be discharged to the drainage system as a result of any services provided:

1. Grass clippings, leaves, mulch, rocks, sand, dirt or other waste materials resulting from landscaping activities, (except those materials resulting from ditch mowing or maintenance activities)
2. Herbicides, pesticides and/or fertilizers, (except those intended for aquatic use)
3. Detergents, fuels, solvents, oils and/or lubricants, other equipment and/or vehicle fluids,
4. Other hazardous materials including paints, thinners, chemicals or related waste materials,
5. Uncontrolled dewatering discharges, equipment and/or vehicle wash waters,
6. Sanitary waste, trash, debris, or other waste products
7. Wastewater from wet saw machinery,
8. Other pollutants that degrade water quality or pose a threat to human health or the environment.

Furthermore, I agree to notify Fort Bend County immediately of any issue caused by or identified by:

Inland Environments Ltd.

(Company/Contractor)

that is believed to be an immediate threat to human health or the environment.

Jed Landrey  
Contractor Signature

10/12/20

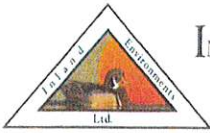
Date

Jed Landrey

Printed Name

Vice President

Title



## Various Client References

### MUNICIPALITIES

#### **City of Beaumont**

Jimmy Bevilacqua  
801 Main Street, Ste. 315  
PO Box 3827  
Beaumont, TX 77704  
409-880-3792

#### **City of Houston**

Gabriel Mussio,  
Division Mgr., General Services  
900 Babgy, 2nd Floor  
Houston, TX 77002  
832-393-8079

#### **City of Huntsville**

Kevin Byal, Building Inspector  
450 Hwy 75 North  
Huntsville, TX 77320  
936-294-5772

#### **City of Port Arthur**

Darlene Thomas-Pierre,  
Environmental Health Supervisor  
444 - 4<sup>th</sup> Street  
Port Arthur, TX 77640  
409-983-8250

#### **Montgomery County Environmental Health Services**

Rick Jordan, 936-538-8032  
501 N. Thompson, Ste. 101  
Conroe, TX 77301

### SCHOOL DISTRICTS

#### **Beaumont ISD**

Tim Klock, 409-617-5659  
1650 Caldwell Avenue  
Beaumont, TX 77703

#### **Conroe ISD**

Easy Foster  
Dir. Planning & Construction  
3205 W. Davis, Conroe, TX 77301  
936-709-7884

#### **Port Arthur ISD**

Mark Rouly, Regulatory Program  
Compliance Manager  
4801 - 9<sup>th</sup> Avenue  
Port Arthur, TX 77642  
409-989-6236

#### **Splendora ISD**

Kenneth "Rusty" Lewis,  
Director of Maintenance  
26267 FM 2090  
Splendora, TX 77372  
281-659-6381

### COLLEGES

#### **Baylor College of Medicine**

Mike Stephens / Steve Womack  
Plant/Maintenance Ops. Mgr.  
One Baylor Plaza  
Houston, TX 77030  
713-798-5201 / 713-798-4774

#### **Sam Houston State University**

Casey House, 936-294-3535  
2424 Sam Houston Parkway  
Huntsville, TX 77340

#### **Lamar University**

Lee Nguyen  
4301 Martin Luther King Jr.  
Beaumont, TX 77710  
409-338-3715

#### **Stephen F. Austin University**

Matt Romig, 936-468-6034  
PO Box 6113, SFA Station  
Nacogdoches, TX 75962

### OTHER

#### **Alpha Building Corp.**

Troy Taylor, 979-846-0100  
PO Box 15460  
College Station, TX 77841

#### **Christus Health**

James Pearson, 409-656-6273  
2830 Calder Avenue  
Beaumont, TX 77703

#### **Lufkin State Living Center**

Bill Williams, 936-853-8405  
6844 Highway 69  
Pollok, TX 75969

#### **McDonalds Corporation**

Jorge Martinez  
3707 FM 1960 West Ste 300  
Houston, TX 77068  
281-587-7347

#### **Phelan Investments**

Eric Meadows  
1277 Calder Avenue  
Beaumont, TX 77707  
409-832-0211

#### **The Horizon Group**

Jeff Greytok, 713-660-8282  
4204 Bellaire Blvd, Suite 210  
Houston TX 77025

#### **SpawGlass Construction**

Shawn Thurman, 409-681-4547  
350 Pine Street  
Beaumont, TX 77701

#### **Times Construction**

JB White, 713-977-3450  
2900 Wesleyan Street, Ste 625  
Houston, TX 77027-5150



**GLENN HEGAR** TEXAS COMPTROLLER OF PUBLIC ACCOUNTS

The Texas Comptroller of Public Accounts (CPA) administers the Statewide Historically Underutilized Business (HUB) Program for the State of Texas, which includes certifying minority, woman, and service disabled veteran-owned businesses as HUBs and facilitates the use of HUBs in state procurement and provides them with information on the state's procurement process.

We are pleased to inform you that your application for certification/re-certification as a HUB has been approved. Your company's profile is listed in the State of Texas HUB Directory and may be viewed online at <https://mycpa.cpa.state.tx.us/tpasscmlsearch/index.jsp>. Provided that your company continues to meet HUB eligibility requirements, the attached HUB certificate is valid for the time period specified.

You must notify the HUB Program in writing of any changes affecting your company's compliance with the HUB eligibility requirements, including changes in ownership, day-to-day management, control and/or principal place of business. *Note: Any changes made to your company's information may require the HUB Program to re-evaluate your company's eligibility.*

Please visit our website at <http://comptroller.texas.gov/procurement/prog/hub/> and reference our publications (i.e. Grow Your Business pamphlet, HUB Brochure and Vendor Guide) providing addition information on state procurement resources that can increase your company's chances of doing business with the state.

Thank you for your participation in the HUB Program! If you have any questions, you may contact a HUB Program representative at 512-463-5872 or toll-free in Texas at 1-888-863-5881.

**Texas Historically Underutilized Business (HUB) Certificate**



Certificate/VID Number:	1760627915000
File/Vendor Number:	024362
Approval Date:	10-JUN-2019
Scheduled Expiration Date:	10-JUN-2023

The Texas Comptroller of Public Accounts (CPA), hereby certifies that:

**INLAND ENVIRONMENTS, LTD.**

has successfully met the established requirements of the State of Texas Historically Underutilized Business (HUB) Program to be recognized as a HUB. This certificate printed 14-JUN-2019, supersedes any registration and certificate previously issued by the HUB Program. If there are any changes regarding the information (i.e., business structure, ownership, day-to-day management, operational control, business location) provided in the submission of the business' application for registration/certification as a HUB, you must immediately (within 30 days of such changes) notify the HUB Program in writing. The CPA reserves the right to conduct a compliance review at any time to confirm HUB eligibility. HUB certification may be suspended or revoked upon findings of ineligibility.

*Laura Cagle-Hinojosa, Statewide HUB Program Manager  
Statewide Support Services Division*

Note: In order for State agencies and institutions of higher education (universities) to be credited for utilizing this business as a HUB, they must award payment under the Certificate/VID Number identified above. Agencies, universities and prime contractors are encouraged to verify the company's HUB certification prior to issuing a notice of award by accessing the Internet (<https://mycpa.cpa.state.tx.us/tpasscmlsearch/index.jsp>) or by contacting the HUB Program at 512-463-5872 or toll-free in Texas at 1-888-863-5881.

Rev 06/18

RECORDER'S MEMORANDUM

This page is not satisfactory for photographic recordation due to carbon or photo copy, discolored paper, etc. All block-outs, additions and changes were presented at time instrument was filed and recorded.

**Franchise Search Results**

**Public Information Report**



As of : 10/09/2020 16:42:12

**This page is valid for most business transactions but is not sufficient for filings with the Secretary of State**

Obtain a certification for filings with the Secretary of State.

**INLAND ENVIRONMENTS, LTD.**

**Texas Taxpayer Number** [REDACTED]

**Mailing Address** PO BOX 6751 KINGWOOD, TX  
77325-6751

**Right to Transact Business in Texas** ACTIVE

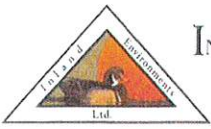
**State of Formation** TX

**Effective SOS Registration Date** 11/26/2002

**Texas SOS File Number** [REDACTED]

**Registered Agent Name** JED A LANDREY

**Registered Office Street Address** 25380 SORTERS RD. PORTER, TX  
77365



INLAND  
ENVIRONMENTS  
LTD.

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Environmental & Demolition Contractors

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## Safety Data Sheets for Demolition

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Diesel Fuel

Gasoline

Hydraulic Oil

Delo 14w40

Grease

R&O

Rotella 50w40

Antifreeze



## MATERIAL SAFETY DATA SHEET

**Diesel Fuel (All Types)**

MSDS No. 9909

### EMERGENCY OVERVIEW

#### CAUTION!

**OSHA/NFPA COMBUSTIBLE LIQUID - SLIGHT TO MODERATE IRRITANT  
EFFECTS CENTRAL NERVOUS SYSTEM  
HARMFUL OR FATAL IF SWALLOWED**

Moderate fire hazard. Avoid breathing vapors or mists. May cause dizziness and drowsiness. May cause moderate eye irritation and skin irritation (rash). Long-term, repeated exposure may cause skin cancer. If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs).



NFPA 704 (Section 16)

### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Hess Corporation  
1 Hess Plaza  
Woodbridge, NJ 07095-0961

EMERGENCY TELEPHONE NUMBER (24 hrs): **CHEMTREC (800) 424-9300**

COMPANY CONTACT (business hours): Corporate Safety (732) 750-6000

MSDS INTERNET WEBSITE: [www.hess.com](http://www.hess.com) (See Environment, Health, Safety & Social Responsibility)

**SYNONYMS:** Ultra Low Sulfur Diesel (ULSD); Low Sulfur Diesel; Motor Vehicle Diesel Fuel; Diesel Fuel #2; Dyed Diesel Fuel; Non-Road, Locomotive and Marine Diesel Fuel; Tax-exempt Diesel Fuel

See Section 16 for abbreviations and acronyms.

### 2. COMPOSITION and CHEMICAL INFORMATION ON INGREDIENTS

INGREDIENT NAME (CAS No.)	CONCENTRATION PERCENT BY WEIGHT
Diesel Fuel (68476-34-6)	100
Naphthalene (91-20-3)	Typically < 0.01

A complex mixture of hydrocarbons with carbon numbers in the range C9 and higher. Diesel fuel may be dyed (red) for tax purposes. May contain a multifunctional additive.

### 3. HAZARDS IDENTIFICATION

#### EYES

Contact with liquid or vapor may cause mild irritation.

#### SKIN

May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed.

#### INGESTION

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.



## MATERIAL SAFETY DATA SHEET

**Diesel Fuel (All Types)**

**MSDS No. 9909**

### **INHALATION**

Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

**WARNING:** the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

### **CHRONIC EFFECTS and CARCINOGENICITY**

Similar products produced skin cancer and systemic toxicity in laboratory animals following repeated applications. The significance of these results to human exposures has not been determined - see Section 11 Toxicological Information.

IARC classifies whole diesel fuel exhaust particulates as probably carcinogenic to humans (Group 2A). NIOSH regards whole diesel fuel exhaust particulates as a potential cause of occupational lung cancer based on animal studies and limited evidence in humans.

### **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash).

## **4. FIRST AID MEASURES**

### **EYES**

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

### **SKIN**

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

### **INGESTION**

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

### **INHALATION**

Remove person to fresh air. If person is not breathing provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

## **5. FIRE FIGHTING MEASURES**

### **FLAMMABLE PROPERTIES:**

FLASH POINT:	> 125 °F (> 52 °C) minimum PMCC
AUTOIGNITION POINT:	494 °F (257 °C)
OSHA/NFPA FLAMMABILITY CLASS:	2 (COMBUSTIBLE)
LOWER EXPLOSIVE LIMIT (%):	0.6
UPPER EXPLOSIVE LIMIT (%):	7.5

### **FIRE AND EXPLOSION HAZARDS**

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

### **EXTINGUISHING MEDIA**

**SMALL FIRES:** Any extinguisher suitable for Class B fires, dry chemical, CO<sub>2</sub>, water spray, fire fighting foam, or Halon.



## MATERIAL SAFETY DATA SHEET

**Diesel Fuel (All Types)**

**MSDS No. 9909**

**LARGE FIRES:** Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

### **FIRE FIGHTING INSTRUCTIONS**

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.

## **6. ACCIDENTAL RELEASE MEASURES**

**ACTIVATE FACILITY'S SPILL CONTINGENCY OR EMERGENCY RESPONSE PLAN.**

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers. Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

## **7. HANDLING and STORAGE**

### **HANDLING PRECAUTIONS**

Handle as a combustible liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Diesel fuel, and in particular low and ultra low sulfur diesel fuel, has the capability of accumulating a static electrical charge of sufficient energy to cause a fire/explosion in the presence of lower flashpoint products such as gasoline. The accumulation of such a static charge occurs as the diesel flows through pipelines, filters, nozzles and various work tasks such as tank/container filling, splash loading, tank cleaning; product sampling; tank gauging; cleaning, mixing, vacuum truck operations, switch loading, and product agitation. There is a greater potential for static charge accumulation in cold temperature, low humidity conditions.

Documents such as 29 CFR OSHA 1910.106 "Flammable and Combustible Liquids, NFPA 77 Recommended Practice on Static Electricity, API 2003 "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents and ASTM D4865 "Standard Guide for Generation and Dissipation of Static



MATERIAL SAFETY DATA SHEET

Diesel Fuel (All Types)

MSDS No. 9909

Electricity in Petroleum Fuel Systems" address special precautions and design requirements involving loading rates, grounding, bonding, filter installation, conductivity additives and especially the hazards associated with "switch loading." ["Switch Loading" is when a higher flash point product (such as diesel) is loaded into tanks previously containing a low flash point product (such as gasoline) and the electrical charge generated during loading of the diesel results in a static ignition of the vapor from the previous cargo (gasoline).]

Note: When conductivity additives are used or are necessary the product should achieve 25 picosiemens/meter or greater at the handling temperature.

STORAGE PRECAUTIONS

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

EXPOSURE LIMITS

Table with 4 columns: Components (CAS No.), Source, Exposure Limits (TWA/STEL), and Note. Rows include Diesel Fuel and Naphthalene with their respective OSHA and ACGIH limits.

ENGINEERING CONTROLS

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

EYE/FACE PROTECTION

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

SKIN PROTECTION

Gloves constructed of nitrile, neoprene, or PVC are recommended. Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.



## MATERIAL SAFETY DATA SHEET

**Diesel Fuel (All Types)**

**MSDS No. 9909**

### **RESPIRATORY PROTECTION**

A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

### **9. PHYSICAL and CHEMICAL PROPERTIES**

#### **APPEARANCE**

Clear, straw-yellow liquid. Dyed fuel oil will be red or reddish-colored.

#### **ODOR**

Mild, petroleum distillate odor

#### **BASIC PHYSICAL PROPERTIES**

BOILING RANGE: 320 to 690 oF (160 to 366 °C)  
VAPOR PRESSURE: 0.009 psia @ 70 °F (21 °C)  
VAPOR DENSITY (air = 1): > 1.0  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.83 to 0.88 @ 60 °F (16 °C)  
PERCENT VOLATILES: 100 %  
EVAPORATION RATE: Slow; varies with conditions  
SOLUBILITY (H<sub>2</sub>O): Negligible

### **10. STABILITY and REACTIVITY**

**STABILITY:** Stable. Hazardous polymerization will not occur.

#### **CONDITIONS TO AVOID and INCOMPATIBLE MATERIALS**

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources. Keep away from strong oxidizers; Viton ®; Fluorel ®

#### **HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

### **11. TOXICOLOGICAL PROPERTIES**

#### **ACUTE TOXICITY**

Acute dermal LD50 (rabbits): > 5 ml/kg  
Primary dermal irritation: extremely irritating (rabbits)  
Guinea pig sensitization: negative  
Acute oral LD50 (rats): 9 ml/kg  
Draize eye irritation: non-irritating (rabbits)

#### **CHRONIC EFFECTS AND CARCINOGENICITY**

Carcinogenic: OSHA: NO IARC: NO NTP: NO ACGIH: A3

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

#### **MUTAGENICITY (genetic effects)**

This material has been positive in a mutagenicity study.



**MATERIAL SAFETY DATA SHEET**

**Diesel Fuel (All Types)** **MSDS No. 9909**

**12. ECOLOGICAL INFORMATION**

Keep out of sewers, drainage areas, and waterways. Report spills and releases, as applicable, under Federal and State regulations.

**13. DISPOSAL CONSIDERATIONS**

Consult federal, state and local waste regulations to determine appropriate disposal options.

**14. TRANSPORTATION INFORMATION**

PROPER SHIPPING NAME:	Diesel Fuel	Placard (International Only):
HAZARD CLASS and PACKING GROUP:	3, PG III	
DOT IDENTIFICATION NUMBER:	NA 1993 (Domestic) UN 1202 (International)	
DOT SHIPPING LABEL:	None	



Use Combustible Placard if shipping in bulk domestically

**15. REGULATORY INFORMATION**

**U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION**

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.

**CLEAN WATER ACT (OIL SPILLS)**

Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

**CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)**

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

**SARA SECTION 311/312 - HAZARD CLASSES**

<u>ACUTE HEALTH</u>	<u>CHRONIC HEALTH</u>	<u>FIRE</u>	<u>SUDDEN RELEASE OF PRESSURE</u>	<u>REACTIVE</u>
X	X	X	--	--

**SARA SECTION 313 - SUPPLIER NOTIFICATION**

This product may contain listed chemicals below the *de minimis* levels which therefore are not subject to the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372. If you may be required to report releases of chemicals listed in 40 CFR 372.28, you may contact Hess Corporate Safety if you require additional information regarding this product.

**CALIFORNIA PROPOSITON 65 LIST OF CHEMICALS**

This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

<u>INGREDIENT NAME (CAS NUMBER)</u>	<u>Date Listed</u>
Diesel Engine Exhaust (no CAS Number listed)	10/01/1990

**CANADIAN REGULATORY INFORMATION (WHMIS)**

Class B, Division 3 (Combustible Liquid) and Class D, Division 2, Subdivision B (Toxic by other means)



**MATERIAL SAFETY DATA SHEET****Gasoline, All Grades****MSDS No. 9950****EMERGENCY OVERVIEW****DANGER!****EXTREMELY FLAMMABLE - EYE AND MUCOUS MEMBRANE IRRITANT  
- EFFECTS CENTRAL NERVOUS SYSTEM - HARMFUL OR FATAL IF  
SWALLOWED - ASPIRATION HAZARD**

NFPA 704 (Section 16)

High fire hazard. Keep away from heat, spark, open flame, and other ignition sources.

If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs). Contact may cause eye, skin and mucous membrane irritation. Harmful if absorbed through the skin. Avoid prolonged breathing of vapors or mists. Inhalation may cause irritation, anesthetic effects (dizziness, nausea, headache, intoxication), and respiratory system effects.

Long-term exposure may cause effects to specific organs, such as to the liver, kidneys, blood, nervous system, and skin. Contains benzene, which can cause blood disease, including anemia and leukemia.

**1. CHEMICAL PRODUCT and COMPANY INFORMATION****Hess Corporation  
1 Hess Plaza  
Woodbridge, NJ 07095-0961****EMERGENCY TELEPHONE NUMBER (24 hrs):****CHEMTREC (800)424-9300****COMPANY CONTACT (business hours):**

Corporate Safety (732)750-6000

**MSDS (Environment, Health, Safety) Internet Website**[www.hess.com](http://www.hess.com)**SYNONYMS:** Hess Conventional (Oxygenated and Non-oxygenated) Gasoline; Reformulated Gasoline (RFG); Reformulated Gasoline Blendstock for Oxygenate Blending (RBOB); Unleaded Motor or Automotive Gasoline

See Section 16 for abbreviations and acronyms.

**2. COMPOSITION and INFORMATION ON INGREDIENTS \***

INGREDIENT NAME (CAS No.)	CONCENTRATION PERCENT BY WEIGHT
Gasoline (86290-81-5)	100
Benzene (71-43-2)	0.1 - 4.9 (0.1 - 1.3 reformulated gasoline)
n-Butane (106-97-8)	< 10
Ethyl Alcohol (Ethanol) (64-17-5)	0 - 10
Ethyl benzene (100-41-4)	< 3
n-Hexane (110-54-3)	0.5 to 4
Methyl-tertiary butyl ether (MTBE) (1634-04-4)	0 to 15.0
Tertiary-amyl methyl ether (TAME) (994-05-8)	0 to 17.2
Toluene (108-88-3)	1 - 25
1,2,4- Trimethylbenzene (95-63-6)	< 6
Xylene, mixed isomers (1330-20-7)	1 - 15

A complex blend of petroleum-derived normal and branched-chain alkane, cycloalkane, alkene, and aromatic hydrocarbons. May contain antioxidant and multifunctional additives. Non-oxygenated Conventional Gasoline and RBOB do not have oxygenates (Ethanol or MTBE and/or TAME).



## MATERIAL SAFETY DATA SHEET

**Gasoline, All Grades**

**MSDS No. 9950**

Oxygenated Conventional and Reformulated Gasoline will have oxygenates for octane enhancement or as legally required.

### 3. HAZARDS IDENTIFICATION

#### **EYES**

Moderate irritant. Contact with liquid or vapor may cause irritation.

#### **SKIN**

Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly.

#### **INGESTION**

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

#### **INHALATION**

Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

**WARNING:** the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

#### **CHRONIC EFFECTS and CARCINOGENICITY**

Contains benzene, a regulated human carcinogen. Benzene has the potential to cause anemia and other blood diseases, including leukemia, after repeated and prolonged exposure. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with systemic toxicity. See also Section 11 - Toxicological Information.

#### **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash). Chronic respiratory disease, liver or kidney dysfunction, or pre-existing central nervous system disorders may be aggravated by exposure.

### 4. FIRST AID MEASURES

#### **EYES**

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

#### **SKIN**

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops.

#### **INGESTION**



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DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

### **INHALATION**

Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

## **5. FIRE FIGHTING MEASURES**

### **FLAMMABLE PROPERTIES:**

FLASH POINT:	-45 °F (-43°C)
AUTOIGNITION TEMPERATURE:	highly variable; > 530 °F (>280 °C)
OSHA/NFPA FLAMMABILITY CLASS:	1A (flammable liquid)
LOWER EXPLOSIVE LIMIT (%):	1.4%
UPPER EXPLOSIVE LIMIT (%):	7.6%

### **FIRE AND EXPLOSION HAZARDS**

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. Flowing product may be ignited by self-generated static electricity. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

### **EXTINGUISHING MEDIA**

**SMALL FIRES:** Any extinguisher suitable for Class B fires, dry chemical, CO<sub>2</sub>, water spray, fire fighting foam, or Halon.

**LARGE FIRES:** Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

During certain times of the year and/or in certain geographical locations, gasoline may contain MTBE and/or TAME. Firefighting foam suitable for polar solvents is recommended for fuel with greater than 10% oxygenate concentration - refer to NFPA 11 "Low Expansion Foam - 1994 Edition."

### **FIRE FIGHTING INSTRUCTIONS**

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.



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### 6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY SPILL CONTINGENCY or EMERGENCY PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal - caution, flammable vapors may accumulate in closed containers. Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

### 7. HANDLING and STORAGE

#### HANDLING PRECAUTIONS

\*\*\*\*\*USE ONLY AS A MOTOR FUEL\*\*\*\*\*

\*\*\*\*\*DO NOT SIPHON BY MOUTH\*\*\*\*\*

Handle as a flammable liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents.

#### STORAGE PRECAUTIONS

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks".

#### WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

**MATERIAL SAFETY DATA SHEET****Gasoline, All Grades****MSDS No. 9950****8. EXPOSURE CONTROLS and PERSONAL PROTECTION****EXPOSURE LIMITS**

Component (CAS No.)	Source	TWA (ppm)	STEL (ppm)	Exposure Limits	Note
Gasoline (86290-81-5)	ACGIH	300	500	A3	
Benzene (71-43-2)	OSHA	1	5	Carcinogen	
	ACGIH	0.5	2.5	A1, skin	
	USCG	1	5		
n-Butane (106-97-8)	ACGIH	1000	--	Aliphatic Hydrocarbon Gases Alkane (C1-C4)	
Ethyl Alcohol (ethanol) (64-17-5)	OSHA	1000	--		
	ACGIH	1000	--	A4	
Ethyl benzene (100-41-4)	OSHA	100	--		
	ACGIH	100	125	A3	
n-Hexane (110-54-3)	OSHA	500	--		
	ACGIH	50	--	Skin	
Methyl-tertiary butyl ether [MTBE] (1634-04-4)	ACGIH	50	--	A3	
Tertiary-amyI methyl ether [TAME] (994-05-8)				None established	
Toluene (108-88-3)	OSHA	200	--	Ceiling: 300 ppm; Peak: 500 ppm (10 min.)	
	ACGIH	20	--	A4	
1,2,4-Trimethylbenzene (95-63-6)	ACGIH	25	--		
Xylene, mixed isomers (1330-20-7)	OSHA	100	--		
	ACGIH	100	150	A4	

**ENGINEERING CONTROLS**

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

**EYE/FACE PROTECTION**

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

**SKIN PROTECTION**

Gloves constructed of nitrile or neoprene are recommended. Chemical protective clothing such as that made of of E.I. DuPont Tychem®, products or equivalent is recommended based on degree of exposure.

Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

**RESPIRATORY PROTECTION**

A NIOSH-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection and limitations.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

**9. PHYSICAL and CHEMICAL PROPERTIES****APPEARANCE**

A translucent, straw-colored or light yellow liquid



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### ODOR

A strong, characteristic aromatic hydrocarbon odor. Oxygenated gasoline with MTBE and/or TAME may have a sweet, ether-like odor and is detectable at a lower concentration than non-oxygenated gasoline.

### ODOR THRESHOLD

	<u>Odor Detection</u>	<u>Odor Recognition</u>
Non-oxygenated gasoline:	0.5 - 0.6 ppm	0.8 - 1.1 ppm
Gasoline with 15% MTBE:	0.2 - 0.3 ppm	0.4 - 0.7 ppm
Gasoline with 15% TAME:	0.1 ppm	0.2 ppm

### BASIC PHYSICAL PROPERTIES

BOILING RANGE:	85 to 437 °F (39 to 200 °C)
VAPOR PRESSURE:	6.4 - 15 RVP @ 100 °F (38 °C) (275-475 mm Hg @ 68 °F (20 °C)
VAPOR DENSITY (air = 1):	AP 3 to 4
SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	0.70 - 0.78
EVAPORATION RATE:	10-11 (n-butyl acetate = 1)
PERCENT VOLATILES:	100 %
SOLUBILITY (H <sub>2</sub> O):	Non-oxygenated gasoline - negligible (< 0.1% @ 77 °F). Gasoline with 15% MTBE - slight (0.1 - 3% @ 77 °F); ethanol is readily soluble in water

## 10. STABILITY and REACTIVITY )

STABILITY: Stable. Hazardous polymerization will not occur.

### CONDITIONS TO AVOID

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources

### INCOMPATIBLE MATERIALS

Keep away from strong oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke). Contact with nitric and sulfuric acids will form nitrocresols that can decompose violently.

## 11. TOXICOLOGICAL PROPERTIES

### ACUTE TOXICITY

Acute Dermal LD50 (rabbits): > 5 ml/kg	Acute Oral LD50 (rat): 18.75 ml/kg
Primary dermal irritation (rabbits): slightly irritating	Draize eye irritation (rabbits): non-irritating
Guinea pig sensitization: negative	

### CHRONIC EFFECTS AND CARCINOGENICITY

Carcinogenicity: OSHA: NO IARC: YES - 2B NTP: NO ACGIH: YES (A3)

IARC has determined that gasoline and gasoline exhaust are possibly carcinogenic in humans. Inhalation exposure to completely vaporized unleaded gasoline caused kidney cancers in male rats and liver tumors in female mice. The U.S. EPA has determined that the male kidney tumors are species-specific and are irrelevant for human health risk assessment. The significance of the tumors seen in female mice is not known. Exposure to light hydrocarbons in the same boiling range as this product has been associated in animal studies with effects to the central and peripheral nervous systems, liver, and kidneys. The significance of these animal models to predict similar human response to gasoline is uncertain.

This product contains benzene. Human health studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-forming system (particularly bone marrow), and serious blood disorders such as aplastic anemia and leukemia. Benzene is listed as a human carcinogen by the NTP, IARC, OSHA and ACGIH.



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This product may contain methyl tertiary butyl ether (MTBE): animal and human health effects studies indicate that MTBE may cause eye, skin, and respiratory tract irritation, central nervous system depression and neurotoxicity. MTBE is classified as an animal carcinogen (A3) by the ACGIH.

12. ECOLOGICAL INFORMATION

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations. If released, oxygenates such as ethers and alcohols will be expected to exhibit fairly high mobility in soil, and therefore may leach into groundwater. The API (www.api.org) provides a number of useful references addressing petroleum and oxygenate contamination of groundwater.

13. DISPOSAL CONSIDERATIONS

Consult federal, state and local waste regulations to determine appropriate disposal options.

14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Gasoline
DOT HAZARD CLASS and PACKING GROUP: 3, PG II
DOT IDENTIFICATION NUMBER: UN 1203
DOT SHIPPING LABEL: FLAMMABLE LIQUID

PLACARD:



15. REGULATORY INFORMATION

U.S. FEDERAL, STATE, and LOCAL REGULATORY INFORMATION

This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations; consult those regulations applicable to your facility/operation.

CLEAN WATER ACT (OIL SPILLS)

Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)

The CERCLA definition of hazardous substances contains a "petroleum exclusion" clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

SARA SECTION 311/312 - HAZARD CLASSES

Table with 5 columns: ACUTE HEALTH, CHRONIC HEALTH, FIRE, SUDDEN RELEASE OF PRESSURE, REACTIVE. Values: X, X, X, --, --

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

Table with 2 columns: INGREDIENT NAME (CAS NUMBER), CONCENTRATION WT. PERCENT. Rows: Benzene (71-43-2) 0.1 to 4.9 (0.1 to 1.3 for reformulated gasoline), Ethyl benzene (100-41-4) < 3



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n-Hexane (110-54-3)	0.5 to 4
Methyl-tertiary butyl ether (MTBE) (1634-04-4)	0 to 15.0
Toluene (108-88-3)	1 to 15
1,2,4- Trimethylbenzene (95-63-6)	< 6
Xylene, mixed isomers (1330-20-7)	1 to 15

US EPA guidance documents ([www.epa.gov/tri](http://www.epa.gov/tri)) for reporting Persistent Bioaccumulating Toxics (PBTs) indicate this product may contain the following deminimis levels of toxic chemicals subject to Section 313 reporting:

<u>INGREDIENT NAME (CAS NUMBER)</u>	<u>CONCENTRATION - Parts per million (ppm) by weight</u>
Polycyclic aromatic compounds (PACs)	17
Benzo (g,h,i) perylene (191-24-2)	2.55
Lead (7439-92-1)	0.079

**CALIFORNIA PROPOSITION 65 LIST OF CHEMICALS**

This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

<u>INGREDIENT NAME (CAS NUMBER)</u>	<u>Date Listed</u>
Benzene	2/27/1987
Ethyl benzene	6/11/2004
Toluene	1/1/1991

**CANADIAN REGULATORY INFORMATION (WHMIS)**

Class B, Division 2 (Flammable Liquid)  
Class D, Division 2A (Very toxic by other means) and Class D, Division 2B (Toxic by other means)

**16. OTHER INFORMATION**

<b><u>NFPA® HAZARD RATING</u></b>	HEALTH:	1	Slight
	FIRE:	3	Serious
	REACTIVITY:	0	Minimal
<b><u>HMIS® HAZARD RATING</u></b>	HEALTH:	1 *	Slight
	FIRE:	3	Serious
	PHYSICAL:	0	Minimal

**SUPERSEDES MSDS DATED:** 07/01/06

**ABBREVIATIONS:**

AP = Approximately    < = Less than    > = Greater than  
N/A = Not Applicable    N/D = Not Determined    ppm = parts per million

**ACRONYMS:**

ACGIH	American Conference of Governmental Industrial Hygienists	CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act
AIHA	American Industrial Hygiene Association	DOT	U.S. Department of Transportation
ANSI	American National Standards Institute (212)642-4900		[General Info: (800)467-4922]
API	American Petroleum Institute (202)682-8000	EPA	U.S. Environmental Protection Agency
		HMIS	Hazardous Materials Information System

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IARC	International Agency For Research On Cancer	REL	Recommended Exposure Limit (NIOSH)
MSHA	Mine Safety and Health Administration	SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
NFPA	National Fire Protection Association (617)770-3000	SCBA	Self-Contained Breathing Apparatus
NIOSH	National Institute of Occupational Safety and Health	SPCC	Spill Prevention, Control, and Countermeasures
NOIC	Notice of Intended Change (proposed change to ACGIH TLV)	STEL	Short-Term Exposure Limit (generally 15 minutes)
NTP	National Toxicology Program	TLV	Threshold Limit Value (ACGIH)
OPA	Oil Pollution Act of 1990	TSCA	Toxic Substances Control Act
OSHA	U.S. Occupational Safety & Health Administration	TWA	Time Weighted Average (8 hr.)
PEL	Permissible Exposure Limit (OSHA)	WEEL	Workplace Environmental Exposure Level (AIHA)
RCRA	Resource Conservation and Recovery Act	WHMIS	Workplace Hazardous Materials Information System (Canada)

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

# Material Safety Data Sheet



**Advantage R&O Hydraulic Oils: Circulating Oil 220; Circulating Oil 460;  
R&O 32; R&O 46;; R&O 10; R&O 100; R&O 68;; R&O 150; R&O 220;  
R&O 320; R&O 380**

## 1. Product and company identification

**Product name** : Advantage R&O Hydraulic Oils: Circulating Oil 220; Circulating Oil 460; R&O 32; R&O 46;; R&O 10; R&O 100; R&O 68;; R&O 150; R&O 220; R&O 320; R&O 380

**Material uses** : Lubricating oil.

**Supplier/Manufacturer** : Advanced Lubrication Specialties  
420 Imperial Court East  
Bensalem, PA 19020

**Code** : 415; 416; 432; 436; 451; 454; 458; 459; 460; 470; 472; 474

**Validation date** : 03/15/2009

**Responsible name** : Atrion Regulatory Services, Inc.

**in case of emergency** : Transportation: 215-244-2114 8am-4:30pm EST Monday to Friday  
CHEMTREC: 800-424-9300 24 hrs Everyday

## 2. Hazards identification

**Physical state** : Liquid. [Clear. / Bright.]

**Odor** : Petroleum.

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Emergency overview** : **WARNING!**  
CAUSES EYE AND SKIN IRRITATION.  
Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Routes of entry** : Dermal contact. Eye contact. Inhalation. Ingestion.

**Potential acute health effects**

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Skin** : Irritating to skin.

**Eyes** : Irritating to eyes.

**Potential chronic health effects**

**Chronic effects** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Inhalation** : No specific data.

**Ingestion** : No specific data.

**Skin** : Adverse symptoms may include the following:  
irritation  
redness

**Eyes** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

## 2. Hazards identification

Medical conditions : None known.  
aggravated by over-  
exposure

See toxicological information (section 11)

## 3. Composition/information on ingredients

### United States

Name	CAS number	%
Base Oils.	See below.	>10

The Base Oil may contains one or more of the following ingredients: 61788-76-9, 64741-88-4, 64742-01-4, 64742-65-0, 64742-89-5, 64742-48-9, 64742-52-5, 64742-54-7, 64742-56-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
- Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable** : None known.
- Hazardous thermal decomposition products** : No specific data.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## 6. Accidental release measures

### Methods for cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.


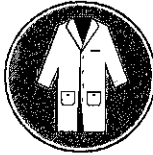

## 8. Exposure controls/personal protection

	United States
Product name	Exposure limits
Base Oils.	NIOSH REL (United States, 6/2008). STEL: 10 mg/m <sup>3</sup> 15 minute(s). Form: Mist TWA: 5 mg/m <sup>3</sup> 10 hour(s). Form: Mist

### Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Eyes** : Safety glasses.
- Skin** : Lab coat.
- Respiratory** : A respirator is not needed under normal and intended conditions of use.

## 8 . Exposure controls/personal protection

<b>Hands</b>	:	Natural rubber (latex).
<b>Personal protective equipment (Pictograms)</b>	:	  
<b>HMIS Code/Personal protective equipment</b>	:	B
<b>Environmental exposure controls</b>	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

<b>Physical state</b>	:	Liquid. [Clear. / Bright.]
<b>Flash point</b>	:	Open cup: >200°C (>392°F) [Cleveland.]
<b>Color</b>	:	Amber.
<b>Odor</b>	:	Petroleum.
<b>Relative density</b>	:	0.9 @ 15.6°C
<b>Vapor pressure</b>	:	<0.13 kPa (<1 mm Hg)
<b>VOC</b>	:	100%
<b>Solubility</b>	:	Insoluble in the following materials: cold water and hot water.

## 10 . Stability and reactivity

<b>Stability</b>	:	The product is stable.
<b>Hazardous polymerization</b>	:	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	:	No specific data.
<b>Materials to avoid</b>	:	Reactive or incompatible with the following materials: oxidizing materials.
<b>Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

### Acute toxicity

Product/ingredient name	Species	Dose	Result	Exposure
Base Oils.	Rabbit	>2 g/kg	LD50 Dermal	-
	Rat	>5 g/kg	LD50 Oral	-
<b>Inhalation</b>	:	No known significant effects or critical hazards.		
<b>Ingestion</b>	:	No known significant effects or critical hazards.		
<b>Skin</b>	:	Irritating to skin.		
<b>Eyes</b>	:	Irritating to eyes.		

## 12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

## 13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 . Transport information

AERG : Not applicable.

Regulatory information

DOT/ IMDG/ IATA : Not regulated.

## 15 . Regulatory information

United States

HCS Classification : Irritating material

U.S. Federal regulations : **United States inventory (TSCA 8b):** All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** No products were found.

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification:** No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 accidental release prevention:** No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

State regulations

: **Connecticut Carcinogen Reporting:** None of the components are listed.

**Connecticut Hazardous Material Survey:** None of the components are listed.

**Florida substances:** None of the components are listed.

**Illinois Chemical Safety Act:** None of the components are listed.

**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.

**Louisiana Reporting:** None of the components are listed.

**Louisiana Spill:** None of the components are listed.

**Massachusetts Spill:** None of the components are listed.

**Massachusetts Substances:** The following components are listed: Base Oils.

**Michigan Critical Material:** None of the components are listed.

**Minnesota Hazardous Substances:** None of the components are listed.

**New Jersey Hazardous Substances:** None of the components are listed.

**New Jersey Spill:** None of the components are listed.

**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.

**New York Acutely Hazardous Substances:** None of the components are listed.

## 15 . Regulatory information

**New York Toxic Chemical Release Reporting:** None of the components are listed.  
**Pennsylvania RTK Hazardous Substances:** None of the components are listed.  
**Rhode Island Hazardous Substances:** None of the components are listed.

**California Prop. 65** : No products were found.  
**International regulations**  
**International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

## 16 . Other information

**Label requirements** : CAUSES EYE AND SKIN IRRITATION.

**Hazardous Material Information System (U.S.A.)** :

### HAZARD RATINGS

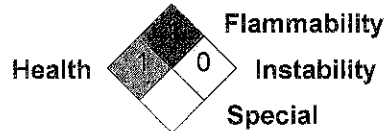
Health	1
Fire hazard	1
Physical Hazard	0
Personal protection	B

4- Extreme  
3- Serious  
2- Moderate  
1- Slight  
0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

**National Fire Protection Association (U.S.A.)** :



**References** : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG.

**Date of issue** : 03/15/2009

**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



# Material Safety Data Sheet

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### Delo® 400 LE SAE 15W-40

**Product Use:** Engine Oil  
**Product Number(s):** CPS222220  
**Company Identification**  
Chevron Products Company  
Global Lubricants  
6001 Bollinger Canyon Rd.  
San Ramon, CA 94583  
United States of America  
www.chevron-lubricants.com

**Transportation Emergency Response**  
CHEMTREC: (800) 424-9300 or (703) 527-3887

**Health Emergency**  
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

**Product Information**  
email : lubemsds@chevrontexaco.com  
Product Information: (800) LUBE TEK  
MSDS Requests: (800) 414-6737

## SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	80 - 100 %weight
Zinc alkyl dithiophosphate	68649-42-3	1 - 5 %weight

## SECTION 3 HAZARDS IDENTIFICATION

### IMMEDIATE HEALTH EFFECTS

**Eye:** Not expected to cause prolonged or significant eye irritation.

**Skin:** Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

**Ingestion:** Not expected to be harmful if swallowed.

**Inhalation:** Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

## SECTION 4 FIRST AID MEASURES

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes

with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

## SECTION 5 FIRE FIGHTING MEASURES

### FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

**NFPA RATINGS:** Health: 0 Flammability: 1 Reactivity: 0

### FLAMMABLE PROPERTIES:

**Flashpoint:** (Cleveland Open Cup) 200 °C (392 °F) (Min)

**Autoignition:** No Data Available

**Flammability (Explosive) Limits (% by volume in air):** Lower: Not Applicable Upper: Not Applicable

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

### PROTECTION OF FIRE FIGHTERS:

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Protective Measures:** Eliminate all sources of ignition in vicinity of spilled material.

**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting:** Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

## SECTION 7 HANDLING AND STORAGE

**Precautionary Measures:** Keep out of the reach of children.

**General Handling Information:** Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

**Static Hazard:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of

Static, Lightning, and Stray Currents'.

**Container Warnings:** Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

### ENGINEERING CONTROLS:

Use in a well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**Eye/Face Protection:** No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

**Skin Protection:** No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

**Respiratory Protection:** No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

### Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m <sup>3</sup>	--	--	--

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

**Color:** Brown

**Physical State:** Liquid

**Odor:** Petroleum odor

**pH:** Not Applicable

**Vapor Pressure:** <0.01 mmHg @ 37.8 °C (100 °F)

**Vapor Density (Air = 1):** >1

**Boiling Point:** >315°C (599°F)

**Solubility:** Soluble in hydrocarbons; insoluble in water

**Freezing Point:** Not Applicable  
**Melting Point:** Not Applicable  
**Specific Gravity:** 0.87 - 0.9 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)  
**Volatile Organic Compounds (VOC):** 1.1 %weight  
**Viscosity:** 6.6 cSt @ 100°C (212°F) (Min)

## SECTION 10 STABILITY AND REACTIVITY

**Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Incompatibility With Other Materials:** May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**Hazardous Decomposition Products:** None known (None expected)

**Hazardous Polymerization:** Hazardous polymerization will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

### IMMEDIATE HEALTH EFFECTS

**Eye Irritation:** The eye irritation hazard is based on evaluation of data for similar materials or product components.

**Skin Irritation:** The skin irritation hazard is based on evaluation of data for similar materials or product components.

**Skin Sensitization:** No product toxicology data available.

**Acute Dermal Toxicity:** The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Oral Toxicity:** The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Inhalation Toxicity:** The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

### ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3). During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

## SECTION 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

### ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

## SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

## SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

**DOT Shipping Description:** PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

**Additional Information:** NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

**IMO/IMDG Shipping Description:** PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

**ICAO/IATA Shipping Description:** PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

## SECTION 15 REGULATORY INFORMATION

<b>EPCRA 311/312 CATEGORIES:</b>	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	NO
	3. Fire Hazard:	NO
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

### REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Zinc alkyl dithiophosphate 03, 06

### CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required. All other components are listed or exempted from listing on EINECS.

One or more components does not comply with the following chemical inventory requirements: AICS (Australia)

### NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be

identified as follows: PETROLEUM OIL (Motor oil)

**WHMIS CLASSIFICATION:**

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

**SECTION 16 OTHER INFORMATION**

**NFPA RATINGS:** Health: 0 Flammability: 1 Reactivity: 0

**HMIS RATINGS:** Health: 1 Flammability: 1 Reactivity: 0  
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**LABEL RECOMMENDATION:**

Label Category : ENGINE OIL 1 - ENG1

**REVISION STATEMENT:** This is a new Material Safety Data Sheet.

**Revision Date:** July 24, 2006

**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:**

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/MDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



# Mystik® JT-6® Hi-Temp Grease

## NLGI No. 1

### Material Safety Data Sheet

CITGO Petroleum Corporation  
P.O. Box 4689  
Houston, TX 77210




MSDS No. 665003002  
Revision Date 1/4/2013

**IMPORTANT:** This MSDS is prepared in accordance with 29 CFR 1910.1200. Read this MSDS before transporting, handling, storing or disposing of this product and forward this information to employees, customers and users of this product.

Hazard Rankings		
	HMIS	NFPA
Health Hazard	1	1
Fire Hazard	1	1
Reactivity	0	0

\* = Chronic Health Hazard

Emergency Overview			
Physical State	Semi-solid to solid (Smooth texture)		
Color	Red.	Odor	Petroleum.
<b>WARNING:</b>			
Injection under the skin can cause severe injury.			
Most damage occurs in the first few hours.			
Initial symptoms may be minimal.			
Hot grease will cause thermal burns upon contact.			
Spills may create a slipping hazard.			

Protective Equipment
Minimum Recommended See Section 8 for Details
  

## SECTION 1. PRODUCT IDENTIFICATION

Trade Name	Mystik® JT-6® Hi-Temp Grease NLGI No. 1	Technical Contact	(800) 248-4684
Product Number	665003002	Medical Emergency	(832) 486-4700
CAS Number	Mixture.	CHEMTREC Emergency (United States Only)	(800) 424-9300
Product Family	Lubricating grease		
Synonyms	Lubricating grease; CITGO® Material Code: 665003002		

## SECTION 2. COMPOSITION

Component Name(s)	CAS Registry No.	Concentration (%)
Highly-refined mineral oils (petroleum)	Various	60 - 100
Lithium carboxylates	7620-77-1	5 - 10
Zinc, bis(dipentylcarbamodithioato-S,S')-, (T-4)-	15337-18-5	<1

## SECTION 3. HAZARDS IDENTIFICATION

Also see Emergency Overview and Hazard Ratings on the top of Page 1 of this MSDS.

Major Route(s) of Entry Skin contact.

### Signs and Symptoms of Acute Exposure

**Inhalation** No significant adverse health effects are expected to occur upon short-term exposure at ambient temperatures. At elevated temperatures, product vapor may cause respiratory tract irritation. Repeated or prolonged overexposure to product mists can result in respiratory tract inflammation and an increased risk of infection.

# Mystik® JT-6® Hi-Temp Grease NLGI No. 1

- Eye Contact** This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling.
- Skin Contact** This material can cause mild skin irritation from prolonged or repeated skin contact. Injection under the skin can cause inflammation and swelling. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage. Initial symptoms may be minor. Injection of petroleum hydrocarbons requires immediate medical attention. Skin contact with hot material may result in severe burns.
- Ingestion** This material can cause a laxative effect. If swallowed in large quantities, this material can obstruct the intestine.
- Chronic Health Effects Summary** This product contains a petroleum-based mineral oil. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory irritation or other pulmonary effects.
- Conditions Aggravated by Exposure** Disorders of the following organs or organ systems that may be aggravated by significant exposure to this material or its components include: Skin
- Target Organs** May cause damage to the following organs: skin.
- Carcinogenic Potential** This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.

**OSHA Hazard Classification is indicated by an "X" in the box adjacent to the hazard title. If no "X" is present, the product does not exhibit the hazard as defined in the OSHA Hazard Communication Standard (29 CFR 1910.1200).**

OSHA Health Hazard Classification				OSHA Physical Hazard Classification			
Irritant	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>	Combustible	<input type="checkbox"/>	Explosive	<input type="checkbox"/>
Toxic	<input type="checkbox"/>	Highly Toxic	<input type="checkbox"/>	Flammable	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Corrosive	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	Compressed Gas	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>
						Pyrophoric	<input type="checkbox"/>
						Water-reactive	<input type="checkbox"/>
						Unstable	<input type="checkbox"/>

## SECTION 4. FIRST AID MEASURES

**Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.**

- Inhalation** Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move the person to fresh air.
- Eye Contact** Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists.
- Skin Contact** If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention if tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Clean or discard contaminated leather goods. If material is injected under the skin, seek medical attention immediately.
- Ingestion** Do not induce vomiting unless directed to by a physician. Rinse out mouth with water. Never give anything by mouth to a person who is not fully conscious. Allow small quantities to pass through the digestive system. If large amounts are swallowed or irritation or discomfort occurs, seek medical attention immediately.

# Mystik® JT-6® Hi-Temp Grease NLGI No. 1

## Notes to Physician

**SKIN:** In the event of injection in underlying tissue, immediate treatment should include extensive incision, debridement and saline irrigation. Inadequate treatment can result in ischemia and gangrene. Early symptoms may be minimal.

**INGESTION:** Check for possible bowel obstruction with ingestion of large quantities of material.

## SECTION 5. FIRE FIGHTING MEASURES

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**NFPA Flammability Classification** NFPA Class-IIIB combustible material.

**Flash Point** Open cup: >150°C (>302°F) (Estimated).

**Lower Flammable Limit** No data. **Upper Flammable Limit** No data.

**Autoignition Temperature** Not available.

**Hazardous Combustion Products** Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur, phosphorus, zinc and/or nitrogen.

**Special Properties** Fight the fire from a safe distance in a protected location. Open any masses with a water stream to prevent reignition due to smoldering. Cool surface with water fog. Molten material can form flaming droplets if ignited. Water or foam can cause frothing. Use of water on product above 100° C (212° F) can cause product to expand with explosive force. Do not allow liquid runoff to enter sewers or public waters.

**Extinguishing Media** Use dry chemical, foam, carbon dioxide or water fog. Water or foam may cause frothing. Carbon dioxide and inert gas can displace oxygen. Use caution when applying carbon dioxide or inert gas in confined spaces.

**Protection of Fire Fighters** Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this MSDS.

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping hazard; do not walk through spilled material. Stop leak if you can do so without risk. For small spills, absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. Contain large spills to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used. Comply with all laws and regulations.

## SECTION 7. HANDLING AND STORAGE

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**Handling** If this product is stored or applied in high-pressure systems such as grease guns or hydraulic lines, there is the potential for accidental injection into the skin and underlying tissues. Hydrocarbons injected into skin or underlying tissues are not readily removed by body fluids and can cause pain, swelling, chemical irritation, infection and tissue destruction. Early symptoms may be minimal. Workers must be aware of the significant hazards associated with a hydrocarbon injection injury. In the event of an injection injury, workers should seek medical treatment immediately. Avoid water contamination and elevated temperatures to minimize product degradation. Empty containers may contain product residues that can ignite

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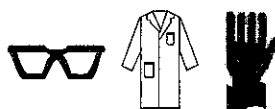
with explosive force. Do not pressurize, cut, weld, braze solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

**Storage** Keep container tightly closed. Store in a cool, dry, well-ventilated area. Store only in approved containers. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Storage area must meet OSHA requirements and applicable fire codes. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers or waste residues of this product.

## SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls** Ventilation controls are not normally required under anticipated conditions of use. Provide exhaust ventilation or other engineering controls if airborne mists or vapors concentrations exceed recommended occupational exposure limits listed below. An eye wash station and safety shower should be located near the work-station.

**Personal Protective Equipment** Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. The following pictograms represent the minimum requirements for personal protective equipment. For certain operations, additional PPE may be required.



**Eye Protection** Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear goggles if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125°F (51°C). Have suitable eye wash water available.

**Hand Protection** None required for incidental contact. Use gloves constructed of chemical resistant materials such as heavy nitrile rubber if frequent or prolonged contact is expected. Use heat-protective gloves when handling product at elevated temperatures.

**Body Protection** Use clean protective clothing if splashing or spraying conditions are present. Protective clothing may include long-sleeve outer garment, apron, or lab coat. If significant contact occurs, remove oil-contaminated clothing as soon as possible and promptly shower. Launder contaminated clothing before reuse or discard. Wear heat protective boots and protective clothing when handling material at elevated temperatures.

**Respiratory Protection** The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

**General Comments** Use good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities, or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners. Since specific exposure standards/control limits have not been established for this product, the "Oil Mist, Mineral" exposure limits shown below are suggested as minimum control guidelines.

### Occupational Exposure Guidelines

Substance

Applicable Workplace Exposure Levels

# Mystik® JT-6® Hi-Temp Grease NLGI No. 1

Oil, Mineral (Mist)

**ACGIH (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s).

STEL: 10 mg/m<sup>3</sup> 15 minute(s).

**OSHA (United States).**

TWA: 5 mg/m<sup>3</sup> 8 hour(s).

Stearates

**ACGIH TLV (United States).**

TWA: 10 mg/m<sup>3</sup> 8 hour(s).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

<b>Physical State</b>	Semi-solid to solid (Smooth texture)	<b>Color</b>	Red.	<b>Odor</b>	Petroleum.
<b>Specific Gravity</b>	0.93 (Water = 1)	<b>pH</b>	Not applicable	<b>Vapor Density</b>	>10 (Air = 1)
<b>Boiling Range</b>	Not available.			<b>Melting/Freezing Point</b>	Not available.
<b>Vapor Pressure</b>	<0.001 kPa (<0.01 mm Hg) (at 20°C)			<b>Volatility</b>	Negligible volatility.
<b>Solubility in Water</b>	Negligible solubility in cold water.			<b>Viscosity (cSt @ 40°C)</b>	Not available.
<b>Flash Point</b>	Open cup: >150°C (>302°F) (Estimated).				
<b>Additional Properties</b>	NLGI Grade: 1 Thickener: Lithium Texture: Smooth				

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable.	<b>Hazardous Polymerization</b>	Not expected to occur.
<b>Conditions to Avoid</b>	Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.		
<b>Materials Incompatibility</b>	Strong oxidizers.		
<b>Hazardous Decomposition Products</b>	No additional hazardous decomposition products were identified other than the combustion products identified in Section 5 of this MSDS.		

## SECTION 11. TOXICOLOGICAL INFORMATION

For other health-related information, refer to the Emergency Overview on Page 1 and the Hazards Identification in Section 3 of this MSDS.

<b>Toxicity Data</b>	<b>Highly-refined mineral oils (petroleum)</b>
	ORAL (LD50): Acute: >5000 mg/kg [Rat].
	DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

**Grease:**

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Injection of pressurized hydrocarbons under the skin, in muscle or into the blood stream can cause irritation, inflammation, swelling, fever and mild central nervous system depression. Injection of pressurized hydrocarbons can cause severe, permanent tissue damage.

### SECTION 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Ecotoxicity data are not available for this product.
<b>Environmental Fate</b>	An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.**

Conditions of use may cause this material to become a "hazardous waste", as defined by federal or state regulations. It is the responsibility of the user to determine if the material is a "hazardous waste" at the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (see 40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive. Contact your regional US EPA office for guidance concerning case specific disposal issues. Empty drums and pails retain residue. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose this product's empty container to heat, flame, or other ignition sources. DO NOT attempt to clean it. Empty drums and pails should be drained completely, properly bunged or sealed, and promptly sent to a reconditioner.

### SECTION 14. TRANSPORT INFORMATION

**The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.**

**US DOT Status** Not regulated by the U.S. Department of Transportation as a hazardous material.

**Proper Shipping Name** Not regulated.

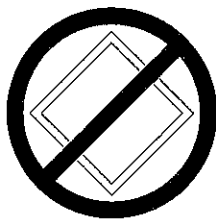
**Hazard Class** Not regulated.

**Packing Group** Not applicable.

**UN/NA Number** Not regulated.

**Reportable Quantity** A Reportable Quantity (RQ) has not been established for this material.

**Placard(s)**



**Emergency Response Guide No.** Not applicable.

**MARPOL III Status** Not a DOT "Marine Pollutant" per 49 CFR 171.8.

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**Oil:** The product(s) represented by this MSDS is (are) regulated as "oil" under 49 CFR Part 130. Shipments by rail or highway in packaging having a capacity of 3500 gallons or more or in a quantity greater 42,000 gallons are subject to these requirements. In addition, mixtures containing 10% or more of this product may be subject to these requirements.

## SECTION 15. REGULATORY INFORMATION

<b>TSCA Inventory</b>	This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.
<b>SARA 302/304 Emergency Planning and Notification</b>	The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.
<b>SARA 311/312 Hazard Identification</b>	The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR 370.2. This material would be classified under the following hazard categories:  No SARA 311/312 hazard categories identified.
<b>SARA 313 Toxic Chemical Notification and Release Reporting</b>	This product contains the following components in concentrations above <i>de minimis</i> levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: No components were identified.
<b>CERCLA</b>	The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: Zinc and zinc compounds, Concentration: <1%
<b>Clean Water Act (CWA)</b>	This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.
<b>California Proposition 65</b>	This material may contain the following components which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5): Cumene: <0.001%
<b>New Jersey Right-to-Know Label</b>	Petroleum Oil (Grease)
<b>Additional Remarks</b>	No additional regulatory remarks.

## SECTION 16. OTHER INFORMATION

Refer to the top of Page 1 for the HMIS and NFPA Hazard Ratings for this product.

### REVISION INFORMATION

Version Number	6.0
Revision Date	1/4/2013

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## ABBREVIATIONS

AP: Approximately            EQ: Equal                    >: Greater Than                <: Less Than  
NA: Not Applicable        ND: No Data                NE: Not Established

ACGIH: American Conference of Governmental Industrial Hygienists  
AIHA: American Industrial Hygiene Association  
IARC: International Agency for Research on Cancer  
NIOSH: National Institute of Occupational Safety and Health  
NPCA: National Paint and Coating Manufacturers Association  
EPA: US Environmental Protection Agency  
HMIS: Hazardous Materials Information System  
OSHA: Occupational Safety and Health Administration  
NTP: National Toxicology Program  
NFPA: National Fire Protection Association

## **DISCLAIMER OF LIABILITY**

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**THE CONDITIONS OR METHODS OF HANDLING, STORAGE, USE, AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAY BE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT.**

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\*\*\*\*\*    END OF MSDS    \*\*\*\*\*

**Material Safety Data Sheet****1. MATERIAL AND COMPANY IDENTIFICATION**

**Material Name** : Shell Rotella T3 15W-40  
**Product Code** : 001D5433  
**Uses** : Engine oil.

**Manufacturer/Supplier** : Shell Oil Products US  
P.O. Box 4453  
Houston TX 77210-4453  
USA

**SDS Request** : (+1) 877-276-7285

**Emergency Telephone Number**

**Spill Information** : 877-242-7400  
**Health Information** : 877-504-9351

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Fischer-Tropsch derived base oil, consisting largely of branched, cyclic and linear hydrocarbons having carbon numbers in the range of C18 to C50.

Highly refined mineral oils and additives.

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

**3. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>	
<b>Appearance and Odour</b>	: Amber. Liquid at room temperature. Slight hydrocarbon.
<b>Health Hazards</b>	: Not classified as dangerous for supply or conveyance.
<b>Safety Hazards</b>	: Not classified as flammable but will burn.
<b>Environmental Hazards</b>	: Not classified as dangerous for the environment.

**Health Hazards** : Not expected to be a health hazard when used under normal conditions.

**Health Hazards**

**Inhalation** : Under normal conditions of use, this is not expected to be a primary route of exposure.

**Skin Contact** : Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.

**Eye Contact** : May cause slight irritation to eyes.

**Ingestion** : Low toxicity if swallowed.

**Other Information** : Used oil may contain harmful impurities.

**Signs and Symptoms** : Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.

**Aggravated Medical** : Pre-existing medical conditions of the following organ(s) or

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<b>Conditions</b>	organ system(s) may be aggravated by exposure to this material: Skin.
<b>Environmental Hazards</b>	: Not classified as dangerous for the environment.
<b>Additional Information</b>	: Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**4. FIRST-AID MEASURES**

<b>General Information</b>	: Not expected to be a health hazard when used under normal conditions.
<b>Inhalation</b>	: No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
<b>Skin Contact</b>	: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.
<b>Eye Contact</b>	: Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
<b>Ingestion</b>	: In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.
<b>Advice to Physician</b>	: Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

Clear fire area of all non-emergency personnel.

<b>Flash point</b>	: > 230 °C / 446 °F (COC)
<b>Upper / lower</b>	: Typical 1 - 10 %(V)
<b>Flammability or Explosion limits</b>	
<b>Auto ignition temperature</b>	: > 320 °C / 608 °F
<b>Specific Hazards</b>	: Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide may be evolved if incomplete combustion occurs. Unidentified organic and inorganic compounds.
<b>Suitable Extinguishing Media</b>	: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable Extinguishing Media</b>	: Do not use water in a jet.
<b>Protective Equipment for Firefighters</b>	: Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

**6. ACCIDENTAL RELEASE MEASURES**

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

<b>Protective measures</b>	: Avoid contact with skin and eyes. Use appropriate containment
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- to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.
- Clean Up Methods** : Slippery when spilled. Avoid accidents, clean up immediately. Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly.
- Additional Advice** : Local authorities should be advised if significant spillages cannot be contained.

**7. HANDLING AND STORAGE**

- General Precautions** : Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.
- Handling** : Avoid prolonged or repeated contact with skin. Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires.
- Storage** : Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Store at ambient temperature.
- Product Transfer** : This material has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.
- Recommended Materials** : For containers or container linings, use mild steel or high density polyethylene.
- Unsuitable Materials** : PVC.
- Additional Information** : Polyethylene containers should not be exposed to high temperatures because of possible risk of distortion.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Oil mist, mineral	ACGIH	TWA(Inhalable fraction.)		5 mg/m3	
Oil mist, mineral	OSHA Z1	PEL(Mist.)		5 mg/m3	

**Biological Exposure Index (BEI)**

No biological limit allocated.

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- Exposure Controls** : The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated. Define procedures for safe handling and maintenance of controls. Educate and train workers in the hazards and control measures relevant to normal activities associated with this product. Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation. Drain down system prior to equipment break-in or maintenance. Retain drain downs in sealed storage pending disposal or for subsequent recycle. Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.
- Personal Protective Equipment** : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
- Respiratory Protection** : No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapours [boiling point >65°C(149 °F)].
- Hand Protection** : Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference

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for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time may be acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.

- Eye Protection** : Wear safety glasses or full face shield if splashes are likely to occur.
- Protective Clothing** : Skin protection not ordinarily required beyond standard issue work clothes.
- Monitoring Methods** : Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. Validated exposure measurement methods should be applied by a competent person and samples analysed by an accredited laboratory. Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods <http://www.cdc.gov/niosh/>  
Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods <http://www.osha.gov/>  
Health and Safety Executive (HSE), UK: Methods for the Determination of Hazardous Substances  
<http://www.hse.gov.uk/>

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany.

<http://www.dguv.de/inhalt/index.jsp>

L'Institut National de Recherche et de Sécurité, (INRS), France

<http://www.inrs.fr/accueil>

- Environmental Exposure Controls** : Take appropriate measures to fulfil the requirements of relevant environmental protection legislation. Avoid contamination of the environment by following advice given in Chapter 6. If necessary, prevent undissolved material from being discharged to waste water. Waste water should be treated in a municipal or industrial waste water treatment plant before discharge to surface water. Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Amber. Liquid at room temperature.  
Odour : Slight hydrocarbon.

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pH	: Not applicable.
Initial Boiling Point and Boiling Range	: > 280 °C / 536 °F estimated value(s)
Pour point	: Typical -20 °C / -4 °F
Flash point	: > 230 °C / 446 °F (COC)
Upper / lower Flammability or Explosion limits	: Typical 1 - 10 %(V)
Auto-ignition temperature	: > 320 °C / 608 °F
Vapour pressure	: < 0.5 Pa at 20 °C / 68 °F (estimated value(s))
Specific gravity	: Typical 0.895 at 15 °C / 59 °F
Density	: Typical 895 kg/m <sup>3</sup> at 15 °C / 59 °F
Water solubility	: Negligible.
n-octanol/water partition coefficient (log Pow)	: > 6 (based on information on similar products)
Kinematic viscosity	: > 40 cSt at 40 °C / 104 °F
Vapour density (air=1)	: > 1 (estimated value(s))
Electrical conductivity	: This material is not expected to be a static accumulator.
Evaporation rate (nBuAc=1)	: Data not available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	: Stable.
<b>Conditions to Avoid</b>	: Extremes of temperature and direct sunlight.
<b>Materials to Avoid</b>	: Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	: Hazardous decomposition products are not expected to form during normal storage.

**11. TOXICOLOGICAL INFORMATION**

<b>Basis for Assessment</b>	: Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).
<b>Acute Oral Toxicity</b>	: Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat
<b>Acute Dermal Toxicity</b>	: Expected to be of low toxicity: LD50 > 5000 mg/kg , Rabbit
<b>Acute Inhalation Toxicity</b>	: Not considered to be an inhalation hazard under normal conditions of use.
<b>Skin Irritation</b>	: Expected to be slightly irritating. Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.
<b>Eye Irritation</b>	: Expected to be slightly irritating.
<b>Respiratory Irritation</b>	: Inhalation of vapours or mists may cause irritation.
<b>Sensitisation</b>	: Not expected to be a skin sensitiser.
<b>Repeated Dose Toxicity</b>	: Not expected to be a hazard.
<b>Mutagenicity</b>	: Not considered a mutagenic hazard.
<b>Carcinogenicity</b>	: Not expected to be carcinogenic.

<b>Material</b>	: <b>Carcinogenicity Classification</b>
Highly refined mineral oil	: ACGIH Group A4: Not classifiable as a human carcinogen.

**Material Safety Data Sheet**

(IP346 <3%)		
Highly refined mineral oil (IP346 <3%)	:	IARC 3: Not classifiable as to carcinogenicity to humans.
Highly refined mineral oil (IP346 <3%)	:	GHS / CLP: No carcinogenicity classification

**Reproductive and Developmental Toxicity** : Not expected to be a hazard.

**Additional Information** : Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible. Continuous contact with used engine oils has caused skin cancer in animal tests.

**12. ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

**Acute Toxicity** : Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract.

**Mobility** : Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.

**Persistence/degradability** : Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

**Bioaccumulation** : Contains components with the potential to bioaccumulate.

**Other Adverse Effects** : Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

**13. DISPOSAL CONSIDERATIONS**

**Material Disposal** : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

**Material Safety Data Sheet**

- Container Disposal** : Dispose in accordance with prevailing regulations, preferably to a recognised collector or contractor. The competence of the collector or contractor should be established beforehand.
- Local Legislation** : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

**14. TRANSPORT INFORMATION****US Department of Transportation Classification (49CFR)**

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

**IMDG**

This material is not classified as dangerous under IMDG regulations.

**IATA (Country variations may apply)**

This material is either not classified as dangerous under IATA regulations or needs to follow country specific requirements.

**15. REGULATORY INFORMATION**

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Federal Regulatory Status****Notification Status**

EINECS	All components listed or polymer exempt.
TSCA	All components listed.
DSL	All components listed.

**Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)**

Shell Rotella T3 15W-40 ()	Reportable quantity: 60 lbs
Zinc alkyl dithiophosphate (68649-42-3)	
Ethylene glycol (107-21-1)	Reportable quantity: 5000 lbs
Toluene (108-88-3)	Reportable quantity: 1000 lbs

**Material Safety Data Sheet**

Ethylenediamine also known as 1,2-ethanediamine (107-15-3)      Reportable quantity: 5000 lbs

Shell classifies this material as an "oil" under the CERCLA Petroleum Exclusion, therefore releases to the environment are not reportable under CERCLA.

The components with RQs are given for information.

**Clean Water Act (CWA) Section 311**

Toluene (108-88-3)      Reportable quantity: 1000 lbs

Ethylenediamine also known as 1,2-ethanediamine (107-15-3)      Reportable quantity: 5000 lbs

Under Section 311 of the Clean Water Act (CWA) this material is considered an oil. As such, spills into surface waters must be reported to the National Response Center at (800) 424-8802.

**SARA Hazard Categories (311/312)**

No SARA 311/312 Hazards.

**SARA Toxic Release Inventory (TRI) (313)**

Zinc alkyl dithiophosphate (68649-42-3)	1.66%
Diphenylamine (122-39-4)	0.01%
Ethylene glycol (107-21-1)	0.01%
Toluene (108-88-3)	0.01%

**SARA Extremely Hazardous Substances (302/304)**

Ethylenediamine also known as 1,2-ethanediamine (107-15-3)      Reportable quantity: 5000 lbs

Ethylenediamine also known as 1,2-ethanediamine (107-15-3)      Threshold Planning Quantity: 10000 lbs

**State Regulatory Status****California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

Known to the State of California to cause birth defects or other reproductive harm.

**New Jersey Right-To-Know Chemical List**

Zinc alkyl dithiophosphate (68649-42-3) 1.6632%      Listed.

Diphenylamine (122-39-4) 0.0156%

**Material Safety Data Sheet**

Ethylene glycol (107-21-1) 0.0156%	Listed.
Toluene (108-88-3) 0.0156%	Listed.
Ethylenediamine also known as 1,2-ethanediamine (107-15-3) 0.0156%	Listed.
	Listed.

**Pennsylvania Right-To-Know Chemical List**

Diphenylamine (122-39-4) 0.0156%	Environmental hazard. Listed.
Ethylene glycol (107-21-1) 0.0156%	Environmental hazard. Listed.
Toluene (108-88-3) 0.0156%	Listed. Environmental hazard.
Ethylenediamine also known as 1,2-ethanediamine (107-15-3) 0.0156%	Listed. Environmental hazard.

**16. OTHER INFORMATION**

<b>NFPA Rating (Health, Fire, Reactivity)</b>	: 0, 1, 0
<b>SDS Version Number</b>	: 1.3
<b>SDS Effective Date</b>	: 04/04/2014
<b>SDS Revisions</b>	: A vertical bar ( ) in the left margin indicates an amendment from the previous version.
<b>SDS Regulation</b>	: The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>SDS Distribution</b>	: The information in this document should be made available to all who may handle the product.
<b>Disclaimer</b>	: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

# AMSOIL Material Safety Data Sheet

Date Issued/Revised: February 1, 2007  
Supersedes: October 1, 2004

## Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc. Telephone:  
925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300  
Superior, WI 54880 Information: 715-392-7101

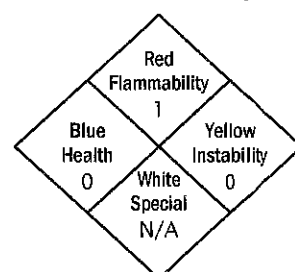
AMSOIL Product Code.....ANT  
Product Label Name.....Propylene Glycol Antifreeze and Engine Coolant  
Product Use.....Antifreeze and Engine Coolant

## Section 2: Composition/Information on Ingredients

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Propylene Glycol, CAS# 57-55-6, appx weight=>90%

### NFPA & HMIS Rating



## Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: May cause minor eye irritation.

## Section 4: First Aid Measures

- EYE:** Flush with water for 15-20 minutes. Seek medical attention if irritation develops.
- SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Discard shoes and leather articles saturated with the product. Obtain medical advice if irritation occurs.
- INHALATION:** Remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. Get immediate medical attention.
- INGESTION:** Call a physician or emergency medical facility immediately!

## Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point ..... >200°F  
Method ..... Pensky Martens Closed Cup  
LEL/UEL.....2.6 / 12.5  
Auto-ignition Temperature ..... Not Determined

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide or alcohol resistant foam.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water spray may be ineffective in fighting fires, but may be used to cool closed containers. Full protective equipment including self-contained breathing apparatus should be used.

FIREFIGHTING EQUIPMENT: Full bunker gear recommended. Including a positive pressure self-contained breathing apparatus.

## Section 6: Accidental Release Measures

- SMALL SPILL:** Absorb on inert material and place in closed container for proper disposal.
- LARGE SPILL:** Dike to prevent contamination of waterways or going to sewer. Spills and releases may have to be reported to Federal and/or local authorities

**Section 7: Handling and Storage**

**HANDLING:** Keep containers closed. Avoid contact with eyes, skin or clothing. Wash hands after handling.

**STORAGE:** Store in dry location at room temperature. Keep container closed and maintain all original markings and labels.

**OTHER:** Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

**Section 8: Exposure Controls/Personal Protection**

**VENTILATION:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**RESPIRATORY:** Not required under normal conditions of use.

**SKIN:** Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact.

**EYE:** Use splash goggles or face shield where splashing is expected or can occur.

**HYGIENIC PRACTICES:** Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking or using the restroom.

**Section 9: Physical and Chemical Properties**

Physical State .....	Liquid
Boiling Point .....	365°F (177° C)
Vapor Pressure .....	<0.1
Vapor Density (Air=1) .....	>1
Evaporation Rate .....	Not Determined
Solubility in Water .....	Complete
Specific Gravity (Water=1) .....	1.03 – 1.06
Density, lb./gal. ....	Not Determined
Volatility (Volume) .....	Not Determined
VOC .....	Unknown
pH .....	7.5 – 9.0
Coefficient of Water/Oil Distribution .....	Not Determined
Odor .....	Mild, Odorless
Odor Threshold .....	Not Determined
Appearance .....	Yellow, Transparent
Viscosity, cSt @ 100°C .....	Not Applicable
Viscosity, cSt @ 40°C .....	Not Applicable
Viscosity Index .....	Not Applicable

**Section 10: Stability and Reactivity**

**STABILITY:** Stable under moderately elevated temperatures and pressures.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION OF PRODUCT:** Various organic compounds and oxides or carbon.

**Section 11: Toxicological Information****ACUTE EXPOSURE**

- Eye Irritation: Mild to moderate eye irritation. Based on data from components or similar materials.
- Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar material. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.
- Respiratory Irritation: Vapor inhalation under ambient conditions is normally not a problem. Hot vapors may irritate pre-existing asthma.

**CHRONIC EXPOSURE**

- Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.
- Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.
- Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.
- Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.
- Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

**ADDITIONAL INFORMATION**

- Exposure Limits: This product does not contain any components, which have recognized exposure limits.

There are extensive toxicological data available on the various components of this product. An adequate representation of all these data is beyond the scope of this document. Please contact the AMSOIL Material Safety Data Sheet Coordinator for more details.

**Section 12: Ecological Information**

ACUTE EFFECTS: LC50 (fathead minnow) = 20-34 g/kg  
LC50 (rainbow trout) = 10 g/kg

**Section 13: Disposal Considerations**

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and recovery act (RCRA) 40 CFR 261. Material is expected to be hazardous when disposed. Dispose of in accordance with all local, state and federal regulations.

**Section 14: Transport Information**

This product is classified as a non-hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

**Section 15: Regulatory Information**

**U.S. Federal Regulations**

- OSHA Table Z ..... Not Applicable
- TSCA ..... Listed
- CERCLA 40 CFR 302.4..... Not Applicable
- SARA Title III
- Section 302 Extremely Hazardous..... Not Applicable
- Section 311/312
- Fire Hazard ..... No
- Reactive Hazard..... No
- Release of Pressure..... No
- Acute Health Hazard..... No
- Chronic Health Hazard..... No
- Section 313 Toxic Chemical ..... Not Applicable

**U.S. State Regulations**

- California (Prop 65)  
Does not contain chemicals known to the state of California to cause cancer.

**International Regulations**

- WHMIS ..... All components listed

**Section 16: Other Information**

The information and recommendations contained herein are, to the best of AMSOIL's knowledge and belief, accurate and reliable as of the date issued. AMSOIL makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and AMSOIL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with AMSOIL's interpretation of the available data.

# CERTIFICATE OF INTERESTED PARTIES

FORM **1295**

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
Jay-B & Group Services LLC  
Houston, TX United States

**Certificate Number:**  
2020-677584

**Date Filed:**  
10/12/2020

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
Fort Bend County

**Date Acknowledged:**  
10/27/2020

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**  
B21-015  
Description is the title of the solicitation: Demolition Services for Disaster DR 4269-006 & 4269-007.

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

**5 Check only if there is NO Interested Party.**

**6 UNSWORN DECLARATION**

My name is \_\_\_\_\_, and my date of birth is \_\_\_\_\_.

My address is \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in \_\_\_\_\_ County, State of \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
Signature of authorized agent of contracting business entity  
(Declarant)

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
 CERTIFICATION OF FILING**

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
 Arkitektura Development Inc  
 Kemah, TX United States

**Certificate Number:**  
 2020-679057

**Date Filed:**  
 10/15/2020

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
 Fort Bend County

**Date Acknowledged:**  
 10/27/2020

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**  
 Bid 21-015  
 Demolition Services for Fort Bend County

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary

**5 Check only if there is NO Interested Party.**

**6 UNSWORN DECLARATION**

My name is \_\_\_\_\_, and my date of birth is \_\_\_\_\_.

My address is \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in \_\_\_\_\_ County, State of \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
 Signature of authorized agent of contracting business entity  
 (Declarant)

# CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.  
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

**OFFICE USE ONLY  
CERTIFICATION OF FILING**

Certificate Number:  
2020-680809

Date Filed:  
10/20/2020

Date Acknowledged:  
10/27/2020

**1 Name of business entity filing form, and the city, state and country of the business entity's place of business.**  
Inland Environments Ltd  
Porter, TX United States

**2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.**  
Fort Bend County

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**  
Bid 21-015  
Demolition at 1202 Aurelia Lane, Rosenberg TX 77471

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Landrey, Jed	Kingwood, TX United States	X	
	Landrey, Lori	Kingwood, TX United States	X	

**5 Check only if there is NO Interested Party.**

**6 UNSWORN DECLARATION**

My name is \_\_\_\_\_, and my date of birth is \_\_\_\_\_.

My address is \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.  
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in \_\_\_\_\_ County, State of \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
(month) (year)

\_\_\_\_\_  
Signature of authorized agent of contracting business entity  
(Declarant)