

Product Name: MOBILGRIND 13  
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## SAFETY DATA SHEET

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

**Product Name:** MOBILGRIND 13  
**Product Description:** Petroleum Hydrocarbons  
**Product Code:** 20157020A060  
**Intended Use:** Metal processing fluid

#### COMPANY IDENTIFICATION

**Supplier:** SOL EC LTD. - St Lucia  
PO Box 140  
Buckeye Compound  
Cul De Sac  
Castries St. Lucia

**24 Hour Health Emergency  
Supplier General Contact**

+1 703-741-5970 (CHEMTREC)  
1-758-452 2458

### SECTION 2 HAZARDS IDENTIFICATION

This material is hazardous according to regulatory guidelines (see (M)SDS Section 15).

#### CLASSIFICATION:

Acute inhalation toxicant: Category 4. Skin irritation: Category 2. Aspiration toxicant: Category 1.

#### LABEL:

##### Pictogram:



**Signal Word:** Danger

#### Hazard Statements:

H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H332: Harmful if inhaled.

#### Precautionary Statements:

P261: Avoid breathing mist / vapours. P264: Wash skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves. P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P331: Do NOT induce vomiting. P332 + P313: If skin irritation occurs: Get medical advice/ attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents and container

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in accordance with local regulations.

**Contains:** DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE

**Other hazard information:**

**HAZARD NOT OTHERWISE CLASSIFIED (HNOC):** None as defined under 29 CFR 1910.1200.

**PHYSICAL / CHEMICAL HAZARDS**

No significant hazards.

**HEALTH HAZARDS**

High-pressure injection under skin may cause serious damage. This product may be used in certain applications where misting can occur. Excessive exposure to liquids and mists may cause skin and eye irritation. In addition, excessive exposure to mists may cause respiratory irritation and damage and aggravate pre-existing emphysema or asthma.

**ENVIRONMENTAL HAZARDS**

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

|                        |           |                 |               |
|------------------------|-----------|-----------------|---------------|
| <b>NFPA Hazard ID:</b> | Health: 2 | Flammability: 1 | Reactivity: 0 |
| <b>HMIS Hazard ID:</b> | Health: 2 | Flammability: 1 | Reactivity: 0 |

**NOTE:** This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

|                  |                                                 |
|------------------|-------------------------------------------------|
| <b>SECTION 3</b> | <b>COMPOSITION / INFORMATION ON INGREDIENTS</b> |
|------------------|-------------------------------------------------|

This material is defined as a complex substance.

**Hazardous Substance(s) or Complex Substance(s) required for disclosure**

| Name                                         | CAS#       | Concentration* | GHS Hazard Codes             |
|----------------------------------------------|------------|----------------|------------------------------|
| DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE | 64742-46-7 | 100%           | H304, H332, H315, H401, H411 |

\* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

|                  |                           |
|------------------|---------------------------|
| <b>SECTION 4</b> | <b>FIRST AID MEASURES</b> |
|------------------|---------------------------|

**INHALATION**

Immediately remove from further exposure. Get immediate medical assistance. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Give supplemental

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oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device.

#### SKIN CONTACT

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

#### EYE CONTACT

Flush thoroughly with water. If irritation occurs, get medical assistance.

#### INGESTION

Seek immediate medical attention. Do not induce vomiting.

#### NOTE TO PHYSICIAN

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

|                  |                               |
|------------------|-------------------------------|
| <b>SECTION 5</b> | <b>FIRE FIGHTING MEASURES</b> |
|------------------|-------------------------------|

#### EXTINGUISHING MEDIA

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

**Inappropriate Extinguishing Media:** Straight Streams of Water

#### FIRE FIGHTING

**Fire Fighting Instructions:** Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

**Unusual Fire Hazards:** Pressurized mists may form a flammable mixture. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

**Hazardous Combustion Products:** Aldehydes, Incomplete combustion products, Oxides of carbon, Smoke, Fume, Sulfur oxides

#### FLAMMABILITY PROPERTIES

**Flash Point [Method]:** >120°C (248°F) [ASTM D-92]

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/D

|                  |                                    |
|------------------|------------------------------------|
| <b>SECTION 6</b> | <b>ACCIDENTAL RELEASE MEASURES</b> |
|------------------|------------------------------------|

#### NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

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## PROTECTIVE MEASURES

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H<sub>2</sub>S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

## SPILL MANAGEMENT

**Land Spill:** Stop leak if you can do it without risk. Do not touch or walk through spilled material. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Recover by pumping or with suitable absorbent.

**Water Spill:** Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

## ENVIRONMENTAL PRECAUTIONS

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

## SECTION 7

## HANDLING AND STORAGE

### HANDLING

Avoid breathing mists or vapors. Avoid contact with skin. Small metal particles from machining may cause abrasion of the skin and may predispose to dermatitis. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

**Static Accumulator:** This material is a static accumulator.

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## STORAGE

The type of container used to store the material may affect static accumulation and dissipation. Do not store in open or unlabelled containers.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES

Exposure limits/standards (Note: Exposure limits are not additive)

| Substance Name                                  | Form                   | Limit / Standard |                     |  | NOTE | Source     |
|-------------------------------------------------|------------------------|------------------|---------------------|--|------|------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE | Mist.                  | TWA              | 5 mg/m <sup>3</sup> |  | N/A  | OSHA Z1    |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE |                        | TWA              | 5 mg/m <sup>3</sup> |  | N/A  | ExxonMobil |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE | Inhalable<br>fraction. | TWA              | 5 mg/m <sup>3</sup> |  | N/A  | ACGIH      |

**Exposure limits/standards for materials that can be formed when handling this product:** When mists/aerosols can occur the following is recommended: 5 mg/m<sup>3</sup> - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

No biological limits allocated.

### ENGINEERING CONTROLS

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

### PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include:

Particulate air-purifying respirator approved for dust / oil mist is recommended.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

**Hand Protection:** Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use.

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conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:

Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

**Eye Protection:** If contact is likely, safety glasses with side shields are recommended. Chemical type goggles should be worn during misting operations.

**Skin and Body Protection:** Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include:

Chemical/oil resistant clothing is recommended.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing 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.

## ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

| SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES |
|-----------|----------------------------------|
|-----------|----------------------------------|

**Note:** Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

## GENERAL INFORMATION

**Physical State:** Liquid

**Color:** Colorless to Yellow

**Odor:** Characteristic

**Odor Threshold:** N/D

## IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

**Relative Density (at 15 °C):** 0.887 [ASTM D4052]

**Flammability (Solid, Gas):** N/A

**Flash Point [Method]:** >120°C (248°F) [ASTM D-92]

**Flammable Limits (Approximate volume % in air):** LEL: N/D UEL: N/D

**Autoignition Temperature:** N/D

**Boiling Point / Range:** > 232°C (450°F)

**Decomposition Temperature:** N/D

**Vapor Density (Air = 1):** > 2 at 101 kPa

**Vapor Pressure:** < 0.013 kPa (0.1 mm Hg) at 20 °C

**Evaporation Rate (n-butyl acetate = 1):** N/D

**pH:** N/A

**Log Pow (n-Octanol/Water Partition Coefficient):** N/D

**Solubility in Water:** Negligible

**Viscosity:** 4.2 cSt (4.2 mm<sup>2</sup>/sec) at 40 °C [ASTM D 445]

**Oxidizing Properties:** See Hazards Identification Section.

## OTHER INFORMATION

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Freezing Point: N/D  
 Melting Point: N/A  
 Pour Point: 3°C (37°F) [ASTM D97]  
 DMSO Extract (mineral oil only), IP-346: < 3 %wt

## SECTION 10 STABILITY AND REACTIVITY

**REACTIVITY:** See sub-sections below.

**STABILITY:** Material is stable under normal conditions.

**CONDITIONS TO AVOID:** Excessive heat. High energy sources of ignition.

**MATERIALS TO AVOID:** Strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Material does not decompose at ambient temperatures.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

| Hazard Class                                               | Conclusion / Remarks                                                                                                                                         |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                          |                                                                                                                                                              |
| Acute Toxicity: (Rat) 4 hour(s) LC50 4.6 mg/l (Aerosol)    | Moderately toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 403                                 |
| Irritation: No end point data for material.                | Elevated temperatures or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs.                      |
| <b>Ingestion</b>                                           |                                                                                                                                                              |
| Acute Toxicity (Rat): LD50 > 5000 mg/kg                    | Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 401                                  |
| <b>Skin</b>                                                |                                                                                                                                                              |
| Acute Toxicity (Rabbit): LD50 > 2000 mg/kg                 | Minimally Toxic. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 402                                  |
| Skin Corrosion/Irritation (Rabbit): Data available.        | Irritating to the skin. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 404                           |
| <b>Eye</b>                                                 |                                                                                                                                                              |
| Serious Eye Damage/Irritation (Rabbit): Data available.    | May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 405 |
| <b>Sensitization</b>                                       |                                                                                                                                                              |
| Respiratory Sensitization: No end point data for material. | Not expected to be a respiratory sensitizer.                                                                                                                 |
| Skin Sensitization: Data available.                        | Not expected to be a skin sensitizer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 406             |
| <b>Aspiration:</b> Data available.                         | May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.                                                          |
| <b>Germ Cell Mutagenicity:</b> Data available.             | Not expected to be a germ cell mutagen. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD                         |

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|                                                   |                                                                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | Guideline 471 475 476 479                                                                                                                                                              |
| <b>Carcinogenicity:</b> Data available.           | Not expected to cause cancer. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 451                                               |
| <b>Reproductive Toxicity:</b> Data available.     | Not expected to be a reproductive toxicant. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 416                                 |
| <b>Lactation:</b> No end point data for material. | Not expected to cause harm to breast-fed children.                                                                                                                                     |
| <b>Specific Target Organ Toxicity (STOT)</b>      |                                                                                                                                                                                        |
| Single Exposure: No end point data for material.  | Not expected to cause organ damage from a single exposure.                                                                                                                             |
| Repeated Exposure: Data available.                | Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 408 422 |

## OTHER INFORMATION

### For the product itself:

Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Oil Mist (highly refined oils): Animals exposed to high concentrations of mist developed oil retention, inflammation, and oil granulomas in the respiratory tract. Oils exposed to high temperatures, cracking conditions, or mixing with tramp / used oils may introduce polycyclic aromatic compounds or microbial contaminants that could result in cancer or severe respiratory hazards.

The following ingredients are cited on the lists below: None.

### --REGULATORY LISTS SEARCHED--

1 = NTP CARC

3 = IARC 1

5 = IARC 2B

2 = NTP SUS

4 = IARC 2A

6 = OSHA CARC

## SECTION 12

## ECOLOGICAL INFORMATION

The information given is based on data for the material, components of the material, or for similar materials, through the application of bridging principals.

### ECOTOXICITY

Material -- Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### PERSISTENCE AND DEGRADABILITY

#### Biodegradation:

Material -- Expected to be readily biodegradable.

### OTHER ECOLOGICAL INFORMATION

VOC: 122.8 G/L [ASTM E1868-10]

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## SECTION 13

## DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### DISPOSAL RECOMMENDATIONS

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

### REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

**Empty Container Warning** Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, 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.

## SECTION 14

## TRANSPORT INFORMATION

**LAND (DOT):** Not Regulated for Land Transport

**LAND (TDG):** Not Regulated for Land Transport

Footnote: If shipped over water, product TDG classification as shown below for SEA (IMDG).

### SEA (IMDG)

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydro treated middle distillate)

**Hazard Class & Division:** 9

**EMS Number:** F-A, S-F

**UN Number:** 3082

**Packing Group:** III

**Marine Pollutant:** Yes

**Label(s):** 9

**Transport Document Name:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Hydro treated middle distillate), 9, PG III, MARINE POLLUTANT

Footnote: Not subject to the provisions of UN3082 Environmentally hazardous substances liquid, n.o.s., if shipped in quantities of 5 liters or less per single or inner combination packaging as per IMDG code 2.10.2.7.

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#### AIR (IATA)

**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Hydro treated middle distillate)

**Hazard Class & Division:** 9

**UN Number:** 3082

**Packing Group:** III

**Label(s) / Mark(s):** 9, EHS

**Transport Document Name:** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Hydro treated middle distillate), 9, PG III

[Footnote: Not subject to the provisions of UN3082 Environmentally hazardous substances liquid, n.o.s., if shipped in quantities of 5 liters or less per single or inner combination packaging as per Special Provision A197.]

#### SECTION 15

#### REGULATORY INFORMATION

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

**Listed or exempt from listing/notification on the following chemical inventories:** AIIIC, DSL, ENCS, IECSC, ISHL, KECI, PICCS, TCSI, TSCA

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA (311/312) REPORTABLE GHS HAZARD CLASSES:** Acute Toxicity (any route of exposure), Aspiration Hazard, Skin Corrosion or Irritation

**SARA (313) TOXIC RELEASE INVENTORY:** This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

The following ingredients are cited on the lists below:

| Chemical Name                                   | CAS Number | List Citations   |
|-------------------------------------------------|------------|------------------|
| DISTILLATES (PETROLEUM),<br>HYDROTREATED MIDDLE | 64742-46-7 | 1, 4, 16, 17, 18 |

#### --REGULATORY LISTS SEARCHED--

|               |                  |                   |             |
|---------------|------------------|-------------------|-------------|
| 1 = ACGIH ALL | 6 = TSCA 5a2     | 11 = CA P65 REPRO | 16 = MN RTK |
| 2 = ACGIH A1  | 7 = TSCA 5e      | 12 = CA RTK       | 17 = NJ RTK |
| 3 = ACGIH A2  | 8 = TSCA 6       | 13 = IL RTK       | 18 = PA RTK |
| 4 = OSHA Z    | 9 = TSCA 12b     | 14 = LA RTK       | 19 = RI RTK |
| 5 = TSCA 4    | 10 = CA P65 CARC | 15 = MI 293       |             |

Code key: CARC=Carcinogen; REPRO=Reproductive

#### SECTION 16

#### OTHER INFORMATION

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N/D = Not determined, N/A = Not applicable

**KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (for information only):**

H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1

H315: Causes skin irritation; Skin Corr/Irritation, Cat 2

H332: Harmful if inhaled; Acute Tox Inh, Cat 4

H401: Toxic to aquatic life; Acute Env Tox, Cat 2

H411: Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2

**THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Composition: Component Table information was modified.

GHS Health Classification information was modified.

GHS Health Hazards information was modified.

GHS Health Symbol information was modified.

GHS Precautionary Statements - Prevention information was modified.

GHS Precautionary Statements - Response information was modified.

Hazard Identification: Health Hazards information was modified.

Hazard Identification: HMIS Health information was modified.

Hazard Identification: NFPA Health information was modified.

Section 02: GHS Contains for LABEL\_GHS codes information was modified.

Section 04: First Aid Inhalation information was modified.

Section 05: Fire Fighting Measures - Unusual Fire Hazards information was modified.

Section 08: Exposure Limits Table information was modified.

Section 08: Hand Protection information was modified.

Section 08: Skin and Body Protection information was modified.

Section 09: Pour Point C(F) information was modified.

Section 09: Relative Density information was modified.

Section 11: Carcinogen Test Comment information was added.

Section 11: Carcinogen Test Data information was modified.

Section 11: Carcinogen Test Guideline information was added.

Section 11: Dermal Irritation Test Comment information was modified.

Section 11: Dermal Irritation Test Data information was modified.

Section 11: Dermal Lethality Test Comment information was modified.

Section 11: Dermal Lethality Test Data information was modified.

Section 11: Dermal Lethality Test Guideline information was added.

Section 11: Eye Irritation Test Comment information was modified.

Section 11: Eye Irritation Test Data information was modified.

Section 11: Eye Irritation Test Guideline information was added.

Section 11: Inhalation Lethality Conclusion information was modified.

Section 11: Inhalation Lethality Test Comment information was deleted.

Section 11: Inhalation Lethality Test Comment information was modified.

Section 11: Inhalation Lethality Test Data information was modified.

Section 11: Inhalation Lethality Test Guideline information was added.

Section 11: Mutagen Test Comment information was added.

Section 11: Mutagen Test Data information was modified.

Section 11: Mutagen Test Guideline information was added.

Section 11: Oral Lethality Test Comment information was modified.

Section 11: Oral Lethality Test Data information was modified.

Section 11: Oral Lethality Test Guideline information was added.

Section 11: Other Health Effects information was modified.

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Section 11: Reproductive Test Comment information was added.  
Section 11: Reproductive Test Data information was modified.  
Section 11: Reproductive Test Guideline information was added.  
Section 11: Skin Irritation Conclusion information was modified.  
Section 11: Skin Irritation Test Guideline information was added.  
Section 11: Skin Sensitization Test Comment information was added.  
Section 11: Skin Sensitization Test Data information was modified.  
Section 11: Skin Sensitization Test Guideline information was added.  
Section 11: Target Organ Toxicity - Repeat Test Comment information was added.  
Section 11: Target Organ Toxicity - Repeat Test Data information was modified.  
Section 11: Target Organ Toxicity - Repeat Test Guideline information was added.  
Section 12: Ecological Information - Atmospheric Oxidation information was deleted.  
Section 12: Ecological Information - Bioaccumulation information was deleted.  
Section 12: Ecological Information - Biodegradation information was added.  
Section 12: Ecological Information - Biodegradation information was deleted.  
Section 12: Ecological Information - Mobility information was deleted.  
Section 15: List Citations Table information was modified.  
Section 15: SARA (311/312) REPORTABLE GHS HAZARD CLASSES information was modified.  
Section 16: Code to MHCs information was modified.  
Section 16: HCode Key information was modified.

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