

Safety Data Sheet - GHS USA

Section 1 - Identification

Product Identifier: RELION BULK (Lubricating Oil, Non-Regulated Material)

Supplier Phone: 1-800-421-3024

Supplier: Remi Corporation

Emergency Phone & Hours: 813-248-6191 Hrs: 24 Hrs. 7 days

Supplier Address: 5795 WASHINGTON ST.

Intended Use Lubrication of Tools

UNIT #2

Uses To Avoid Non-intended use

NAPLES, FL 34109

USA

Section 2 - Hazard Identification

Signal Word: WARNING

Other than flammability, no specific data exists for this mixture. Hazard classifications are from information available on components present

Hazard Classifications: **Substance Or Mixture** Mixture

Eye Irritant, Category 2B

Hazard Statements based on component information:

HAZARDS: Eye contact causes mild eye irritation.

Precautions:

Do not handle until all safety instructions are understood. Wear protective clothing, gloves, and eye protection before handling. Use only with adequate ventilation. Avoid breathing fumes or mist.

Other Hazards Not Resulting In Classification: May be hazardous to soil dwelling organisms.

Summary: Read entire SDS prior to use. Observe all precautions. Use engineering controls to minimize human exposure to workplace chemicals.

Section 3 - Composition / Information on Ingredients

| | | |
|---|-------------|----------|
| HEAVY HYDROTREATED NAPHTHENIC DISTILLATES | 64742-52-5 | 60 - 100 |
| SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE | 64742-65-0 | 15 - 40 |
| TRADE SECRET COMPONENT | 63-449-39-8 | 5 - 15 |
| TRIGLYCERIDE OF FATTY ACIDS | 120962-03-0 | 5 - 15 |
| CHLORINATED FATTY ACID MIXTURE | 61788-76-9 | 1 - 5 |
| ALKYLMERCAPTOTHIADIAZOLE | NONE | < 1 |

Exact percentages and component identities are being withheld as trade secrets. Occupational Exposure Levels, Toxicity, and Ecological information on components is shown in Sections 8, 11, and 12 below. Users should read and understand the entire SDS. More specific information on components will be released to medical professionals in case of emergency.

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Section 4 - First Aid Measures:

First responders should wear clothing appropriate for industrial exposure in accordance with local codes. At a minimum, all exposed skin should be covered, and latex gloves and eye protection meeting ANSI Z87 or CSA Z94.3 should be worn. First responders should avoid contact with spilled material. Spills of this material present a slip hazard. If smoke, fumes, or airborne mist is present, first responders should use organics respirator or self contained breathing apparatus.

IF SWALLOWED: Get immediate medical attention. Call poison control center.

IF INHALED: Remove affected person to fresh air and make comfortable for breathing. Get immediate medical attention.

IF IN EYES: Rinse eyes with cool water. Get immediate medical attention. Call poison control center.

IF ON SKIN: Remove contaminated clothing. Wash immediately with soap and water. Get immediate medical attention.

IF ON CLOTHES: Do not allow skin contact with contaminated clothing. Remove contaminated clothing and wash before re-use.

IF EXPOSED: Contact physician if you feel unwell.

Most Important Symptoms ACUTE: Respiratory effects, vision effects.
DELAYED: Dermatological effects.

Indication of Immediate Medical Attention Difficulty breathing, dizziness, extreme drowsiness, eye irritation, loss of vision, skin rash.

Section 5 - Fire Fighting Measures:

Appropriate Extinguishing Media Avoid spraying water jet on burning liquids as this may spread the fire. Use dry chemical or foam extinguishing media.

Specific Fire Hazards Fire fighters must be protected from smoke with self contained breathing apparatus. Heavy smoke may obscure vision. Smoke may contain oxides of carbon, nitrogen, sulfur, and chlorine.

Special Protective Actions Keep containers cool with water spray. Evacuate local area until fire is controlled.

Section 6- Accidental Release Measures:

Personal Precautions

Spills present a slip hazard. Extinguish/disconnect possible sources of ignition near spill. Ensure adequate ventilation of fumes from affected area. Remove unnecessary personnel from area around spill. Prior to cleaning up, don protective gear including chemical and hydrocarbon resistant outer layer, latex or rubber gloves, rubber boots, and eye protection. Emergency responders should wear chemical and hydrocarbon resistant gear.

Environmental Precautions

Small spills may be wiped up with rags. For spills >10 litres- if possible to safely do so, contain the spilled material using diatomaceous earth and/or absorbent pads. Dike drains and prevent material from entering sewers, ditches, drains, or water courses. Place absorbed material into sealed storage containers and consult an environmental expert for proper disposal measures. Immediately report any discharges that escape containment to the local environmental authority or fire department.

Methods for Cleaning Up

Absorption with diatomaceous earth and/or absorbent pads is best. Do not use vacuum. Do not wash hydrocarbon or chemical spills away into sewers or drains. Use proper disposal methods for spent absorbents and contaminated rags or clothing.

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Section 7- Storage and Handling:

Precautions for Handling

Wear protective gear including skin, hand, and eye protection when handling this material. Use with good ventilation or wear NIOSH approved respirator with organic vapor cartridges. Transfer large amounts using pumps and lines that are properly maintained. Visually inspect hoses and replace worn or suspicious looking hose and/or fittings. Use clean containers with sealing lids to transfer small amounts. Use caution when pouring to avoid splashing into eyes or on skin. Do not handle open containers near flames or hot surfaces.

Methods for Safe Storage

Store containers indoors away from heat and flames. Store in secure location with good ventilation. Keep container sealed when not transferring product. Protect from rain and extreme cold.

Avoid storage of hydrocarbons near strong mineral acids or materials marked 'Oxidizer'.

Section 8- Exposure Controls/Personal Protection:

Control Parameters

No exposure limits are established for this mixture. Information on individual components is provided below.

Component Information - Occupational Exposure Limits:

| | |
|----------------------------------|---|
| HEAVY HYDROTREATED NAPHTHENIC | US ACGIH: TWA: 5 mg/m ³ , STEL: 10 mg/m ³ (as Oil Mist, if generated); US OSHA: 5 mg/m ³ TWA as Oil Mist, if generated |
| SOLVENT DEWAXED HEAVY PARAFFINIC | US ACGIH: TWA: 5 mg/m ³ , STEL: 10 mg/m ³ (as Oil Mist, if generated); US OSHA: 5 mg/m ³ TWA as Oil Mist, if generated |
| TRADE SECRET COMPONENT | None Established |
| TRIGLYCERIDE OF FATTY ACIDS | None Established |
| CHLORINATED FATTY ACID MIXTURE | None Established |
| ALKYLMERCAPTOTHIA DIAZOLE | None Established |

Personal Protective Gear

Workers exposed to airborne levels above threshold values shown above should use protective gear including safety glasses, latex gloves, long sleeve work shirts, long pants, hair covering, and work shoes having oil and chemical resistant soles. Similar protective gear should be worn when servicing equipment containing this material, or when draining and refilling equipment with fresh product.

Engineering Controls

Engineering controls should ensure adequate ventilation to keep airborne concentrations below threshold values shown above. Pumps and handling equipment should be designed to reduce human exposure potentials to liquids being transferred from containers into closed systems.

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Section 9- Physical Properties:

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| | | | |
|------------------------------|------------------------|------------------------------|----------------------------------|
| Appearance | Clear Liquid | Upper Explosive Limit | Unknown |
| Odor | Characteristic | Lower Explosive Limit | Unknown |
| Odor Threshold | Unknown | Vapour Pressure | <1 mm Hg |
| pH | NA- anhydrous | Vapour Density | >1 (air = 1) |
| Melting Point | Not applicable | Relative Density | .82 - .92 kg/l @ 25C |
| Freezing Point | <0 C | Solubility | Hydrocarbons, insoluble in water |
| Initial Boiling Point | >100 C | Partition Coefficient | Unknown |
| Boiling Range | Unknown | Auto Ignition Temp | Unknown |
| Flash Point | >93 C | Decomposition Temp | Unknown |
| Evaporation Rate | <1 (n-butyl acetate=1) | Viscosity cSt 40C | 25 cSt 40C |

Section 10- Physical Properties:

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|---|---|
| Reactivity | May react violently if combined with strong oxidizers and heat. |
| Chemical Stability | Stable under recommended storage conditions. |
| Conditions to Avoid | Keep away from fire, sparks, and other sources of ignition. |
| Possibly Hazardous Reactions | None known. |
| Incompatible Materials | Strong acids and materials marked 'Oxidizer'. |
| Hazardous Decomposition Products | Byproducts of combustion include carbon dioxide, carbon monoxide, oxides of sulfur, oxides of nitrogen, and heavy, acrid smoke. |

Section 11- Toxicological Information:

| | |
|-------------------------------------|---|
| Likely Routes of Exposure | Dermal and eye exposure from normal use conditions. Ingestion and inhalation are not likely if all precautions for use are followed. |
| Symptoms of Exposure: | |
| Ingestion | Ingestion minimal amounts, e.g. failure to wash hands before eating/smoking, is unlikely to cause symptoms. Swallowing of liquid product may cause vomiting and nausea. |
| Inhalation | Coughing and difficulty breathing. |
| Dermal/Eye | Transient dermal contact is not irritating. Prolonged dermal contact may cause local irritation and rash. Eye contact causes mild to severe eye irritation and possible temporary loss of vision. |
| Immediate or Delayed Effects | No data available |
| Interactive Effects | No data available |

Numerical Measures of Toxicity - components

Acute Oral Toxicity: HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: LD 50 > 5000mg/kg; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: LD 50 > 5000mg/kg; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: LD 50 > 5000 mg/kg; CHLORINATED FATTY ACID MIXTURE: Swallowing small amounts are not likely to cause injury; ALKYL MERCAPTOTHIAZOLE: No Data Available

Acute Skin Toxicity: HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: LD50> 5000mg/kg; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: LD 50 > 5000mg/kg; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No effect; CHLORINATED FATTY ACID MIXTURE: Excessive skin contact may cause slight irritation.; ALKYL MERCAPTOTHIAZOLE: No Data Available

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Section 11- Toxicological Information: (continued)

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- Acute Toxicity Inhalation:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: No effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No Data Available; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Skin Corrosion:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: Not corrosive; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: Not corrosive; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: Not corrosive.; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Eye Corrosion:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: Mild Eye Irritant; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: Mild Eye Irritant; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: Mild irritant; CHLORINATED FATTY ACID MIXTURE: Contact with eyes may cause slight irritation; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Respiratory Sensitization:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: No known effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No known effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No known effect; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Skin Sensitization:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: No known effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No known effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No known effect; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Germ Cell Mutagenicity:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: Not mutagenic; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: Not mutagenic; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: Not mutagenic; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available
- Carcinogen:** HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: Not listed by IARC, ACGIH, NTP, or OSHA; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: Not listed by IARC, ACGIH, NTP, or OSHA; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: Not carcinogenic; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

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Reproductive Effects: HEAVY HYDROTREATED NAPTHENIC DISTILLATES: No known effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No known effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No known effect; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

Target Organ 1 Exposure: HEAVY HYDROTREATED NAPTHENIC DISTILLATES: No effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No known effect; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

Target Organ Multiple Exposure: HEAVY HYDROTREATED NAPTHENIC DISTILLATES: No effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No known effect; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

Aspiration Hazard: HEAVY HYDROTREATED NAPTHENIC DISTILLATES: No effect; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No effect; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No hazard; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

Other Information

Section 12- Ecological Information:

Ecological Summary Hydrocarbon mineral oils have low toxicity and are inherently biodegradable. Additives in mixture have varying degrees of toxicity, persistence, and other effects. Available component data is shown below.

Bioaccumulation No data available

Persistence/Degradability No data available

Waste Treatment Effects No data available

Soil Mobility Mineral oils have been shown to adhere strongly to soil. Mobility is expected to be low.

Other Adverse Effects Oils spilled or leaked into waterways will cause an oil sheen on the surface.

Toxicity to aquatic organisms, component information:

Aquatic Toxicity, Acute: HEAVY HYDROTREATED NAPTHENIC DISTILLATES: No Data Available; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No Data Available; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No Data Available; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTOTHIA DIAZOLE: No Data Available

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Section 12- Ecological Information, Continued:

Aquatic Toxicity, Long Term: HEAVY HYDROTREATED NAPHTHENIC DISTILLATES: No Data Available; SOLVENT DEWAXED HEAVY PARAFFINIC DISTILLATE: No Data Available; TRADE SECRET COMPONENT: No Data Available; TRIGLYCERIDE OF FATTY ACIDS: No Data Available; CHLORINATED FATTY ACID MIXTURE: No Data Available; ALKYL MERCAPTO THIADIAZOLE: No Data Available

Ozone: No components of this mixture have any known or reported negative effects on the earth's ozone layer.

Section 13- Disposal Considerations:

- Disposal Containers & Methods** Unused material is not a RCRA hazardous waste. Mixture with other wastes may cause classification as hazardous waste. Users must determine compliance with local, state, and federal regulations for proper classification and disposal of used oils and mixtures thereof. Suitable containers include steel and polyethylene drums and totes, for containment of used oil. Secondary containment is advised. Containers should be kept sealed and protected from rain and exposure.
- Physical Chemical Properties Affecting Disposal** Changes in physical and chemical properties during use, such as contamination with lead, zinc, or other metals, may affect classification for disposal. Used oils should be tested to determine metals content and applicable local, state, and federal regulations governing disposal of such fluids.
- Improper Disposal** Discharging of oily wastes into any sewer, watercourse, or unregulated drain is improper and may result in fines, penalties, cleanup costs, and criminal liabilities.
- Precautions for Landfill** Oily liquid should not be disposed in a landfill. Disposal of oily absorbents, rags, or other items into a landfill should only be done with proper permission from local, state, and federal authorities.

Section 14- Transport Information:

| | | | |
|--------------------------------|---|----------------------|----------------|
| UN Proper Shipping Name | Lubricating Oil, Non-Regulated Material | UN Number | Not Regulated |
| Transport Hazard Class | Not Applicable | Packing Group | Not Applicable |
| Marine | Not Regulated | | |
| Road | Not Regulated | | |
| Rail | Not Regulated | | |
| Inland Waterways | Not Regulated | | |
| Special Precautions | None | | |
| MARPOL | Not available for sale in bulk marine shipments | | |
| IBC CODE | Not applicable | | |

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Section 15- Regulatory Information:

TSCA 8b Inventory All components are registered on the US TSCA inventory.

US SARA 313 No components are subject to the reporting requirements.

SARA 311/312 Acute Health Hazard None **SARA 311/312 Chronic Health Hazard** None

SARA 311/312 Fire Hazard None **SARA 311/312 Sudden Release of Pressure** None

SARA 311/312 Reactivity Hazard None

California Proposition 65 This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

Other Regulations

Canada WHMIS - No hazard category

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.

Section 16- Other Information:

Revision Date May 20, 2015

Reasons For Revision Initial version.

Sec 16 Other Info This Safety Data Sheet was prepared in good faith from the most recent information available, in accordance with ST-SG-AC10-30-Rev4e. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.