SECTION 2) HAZARDS IDENTIFICATION

Classification
Aspiration Hazard - Category 1

Pictograms

Signal Word
Danger

Hazardous Statements - Health
H304 - May be fatal if swallowed and enters airways

Precautionary Statements - General
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention
No precautionary statement available.

Precautionary Statements - Response
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.

Precautionary Statements - Storage
P405 - Store locked up.

Precautionary Statements - Disposal
P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.
SECTION 4) FIRST-AID MEASURES

Inhalation
Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact
Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes or until medical aid is available. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Eye Contact
If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth. If exposed or concerned: Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed
No data available

Indication of Immediate Medical Attention and Special Treatment Needed
No data available

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Small Fire: Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.
Large Fire: Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media
Do not use straight stream of water.

Specific Hazards in Case of Fire
This material will burn although it is not easily ignited. 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. Oxides of C, Zn, Ca, P and S. Additional byproducts include hydrogen sulfide, alkyl mercaptan and other sulfides. Containers may explode in fire.

Fire-fighting Procedures
Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions
SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure
Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.

Recommended equipment
Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions
Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions
Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Methods and Materials for Containment and Cleaning up
Collect with absorbent, non-combustible material, inert material such as sand, sawdust, etc., into suitable containers. Dispose off according to federal, state and local regulations. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General
Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements
Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements
All containers must be properly labelled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection
Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin protection
Skin protection

Use of gloves approved to relevant standards 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, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of gas, vapors or dusts below their respective threshold limit value.

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<tr>
<th>Chemical Name</th>
<th>OSHA TWA (ppm)</th>
<th>OSHA TWA (mg/m³)</th>
<th>OSHA STEL (ppm)</th>
<th>OSHA STEL (mg/m³)</th>
<th>OSHA STEL (Z1, Z2, Z3)</th>
<th>OSHA Skin designat.</th>
<th>NIOSH TWA (ppm)</th>
<th>NIOSH STEL (ppm)</th>
<th>NIOSH STEL (mg/m³)</th>
<th>NIOSH Carcinogen</th>
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<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH STEL (ppm)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>ACGIH Carcinogen</th>
<th>ACGIH Notations</th>
<th>ACGIH TLV Basis</th>
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SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

**Density**

7.536 - 7.543 lb/gal

**Specific Gravity**

0.9036 - 0.9059

**Appearance**

Amber
Odor Threshold: N.A.

Odor Description: Mild petroleum hydrocarbon odor

pH: N.A.

Water Solubility: N.A.

Flammability: Flash point at or above 200°F/93°C

Flash Point Symbol: N.A.

Flash Point: 160 - 232°C (320 - 449.6°F)

Viscosity: 15.33 - 19.77 cSt at 40°C or 3.13 - 3.56 cSt at 100°C

Lower Explosion Level: N.A.

Upper Explosion Level: N.A.

Vapor Pressure: Negligible at STP

Vapor Density: >1 at STP

Pour Point: -42°C - -56°C

Melting Point: N.A.

Low Boiling Point: N.A.

High Boiling Point: N.A.

Auto Ignition Temp: N.A.

Decomposition Pt: N.A.

Evaporation Rate: Negligible at STP

Coefficient Water/Oil: N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable

Conditions to Avoid

Avoid heat, sparks, flame and contact with incompatible materials

Hazardous Polymerization

Will not occur.

Incompatible Materials

Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products

None under normal temperatures and pressures.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Inhalation, ingestion, skin absorption

Skin Corrosion/Irritation

No Data Available

Serious Eye Damage/Irritation

No Data Available

Respiratory/Skin Sensitization

No Data Available

Germ Cell Mutagenicity

571461, 571479

www.martinlubricants.com
No Data Available

**Carcinogenicity**
No Data Available

**Reproductive Toxicity**
No Data Available

**Specific Target Organ Toxicity - Single Exposure**
No Data Available

**Specific Target Organ Toxicity - Repeated Exposure**
No Data Available

**Aspiration Hazard**
May be fatal if swallowed and enters airways

**Acute Toxicity**
No Data Available

0064742-52-5        MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC

LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.
LD50 (Rodent - rabbit, Administration onto the skin) : >2000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

0064742-53-6        MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT NAPHTHENIC

LC50 (Rodent - rat, Inhalation) : 2180 mg/m3 (4 hours exposure) Toxic effects : Lungs, Thorax, or Respiration - structural or functional change in trachea or bronchi.
LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Behavioral - somnolence (general depressed activity).
LD50 (Rodent - rabbit, Administration onto the skin) : >2000 mg/kg, Toxic effects : Skin and Appendages - primary irritation (after topical exposure)

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### SECTION 12) ECOLOGICAL INFORMATION

**Toxicity**
No Data Available

**Persistence and Degradability**
No Data Available.

**Bio-accumulative Potential**
0064742-52-5 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC
Contains constituents with the potential to bioaccumulate.

**Mobility in Soil**
0064742-52-5 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC
Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

**Other Adverse Effects**
No Data Available.

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### SECTION 13) DISPOSAL CONSIDERATIONS

**Waste Disposal**
Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums
to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information
- UN number: Not Regulated
- Proper shipping name: N/A (N/A)
- Hazard class: Not Applicable
- Packaging group: Not Applicable
- Hazardous substance (RQ): No Data Available
- Toxic-Inhalation Hazard: No Data Available
- Marine Pollutant: No Data Available
- Note / Special Provision: No Data Available

IMDG Information
- UN number: Not Regulated
- Proper shipping name: N/A (N/A)
- Hazard class: Not Applicable
- Packaging group: Not Applicable
- Marine Pollutant: No Data Available
- Note / Special Provision: No Data Available

IATA Information
- UN number: Not Regulated
- Hazard class: Not Applicable
- Packaging group: Not Applicable
- Proper shipping name: N/A (N/A)
- Note / Special Provision: No Data Available

SECTION 15) REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>CAS</th>
<th>Chemical Name</th>
<th>% By Weight</th>
<th>Regulation List</th>
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<tbody>
<tr>
<td>0064742-52-5</td>
<td>MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY NAPHTHENIC</td>
<td>53% - 72%</td>
<td>SARA312, TSCA, TX_ESL</td>
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<tr>
<td>0064742-53-6</td>
<td>MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) LIGHT NAPHTHENIC</td>
<td>32% - 43%</td>
<td>SARA312, TSCA, TX_ESL</td>
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<td>0064742-46-7</td>
<td>MINERAL SEAL OIL</td>
<td>Trace</td>
<td>SARA312, TSCA, TX_ESL</td>
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</tbody>
</table>

The information in this Section does not list components that might have relevant CERCLA, SARA312, TSCA, TX_ESL regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.
Glossary
ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Version 3.0:
Revision Date: Sep 17, 2018

DISCLAIMER
This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

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