SAFETY DATA SHEET

1. Identification

Product identifier: CNH Tutela Transaxle Fluid SAE 80W-140
Other means of identification: Not available.
Recommended use: Lubricant
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name: Viscosity Oil Company
Address: 600-H Joliet Road
Willowbrook, IL 60527
United States
Telephone: General Information 630-850-4000
E-mail: Not available.
Emergency phone number: Chemtrec (Within US) 1-800-424-9300
Chemtrec (Outside US) 703-527-3887
Supplier: Refer to Manufacturer

2. Hazard(s) identification

Physical hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
Health hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
Environmental hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.
OSHA defined hazards: This mixture does not meet the classification criteria according to OSHA HazCom 2012.

Label elements

Hazard symbol: None.
Signal word: None.
Hazard statement: Not available.
Precautionary statement
Prevention: Not available.
Response: Not available.
Storage: Not available.
Disposal: Not available.

Hazard(s) not otherwise classified (HNOC): No OSHA defined hazard classes.
Other hazards which do not result in classification: Repeated or excessive exposure may cause slight skin and eye irritation. Hydrocarbons injected into the skin under pressure can cause severe injury. Inhalation of mist or vapor will cause irritation of mucous membranes in nose and throat leading to coughing, choking, headache and dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Oils can block the skin pores causing an acne-like disorder. Overexposure to sprays and mist may cause chemical pneumonitis (inflammation of lung tissue).

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic</td>
<td>SEVERELY SOLVENT-REFINED HEAVY PARAFFINIC DISTILLATE DISTILLATES (PETROLEUM)</td>
<td>64741-88-4</td>
<td>40 - 70</td>
</tr>
<tr>
<td>Residual Oils (petroleum), Solvent-refined</td>
<td>SOLVENT REFINED RESIDUUM</td>
<td>64742-01-4</td>
<td>10 - 30</td>
</tr>
</tbody>
</table>
The exact concentrations of the above listed chemicals are being withheld as a trade secret as allowed by 29CFR1910.1200.

**Composition comments**

Note: The above listed 'Base oil - unspecified' can be a mixture of the following CAS#'s: 64741-89-5; 64741-96-4; 64741-97-5; 64742-52-5; 64742-53-6; 64742-54-7; 64742-55-8; 64742-57-0; 64742-62-7.

### 4. First-aid measures

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. When symptoms persist or in all cases of doubt, seek medical advice.

**Skin contact**

Immediately take off all contaminated clothing. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. When symptoms persist or in all cases of doubt, seek medical advice.

If thermal burns are present: Treat all thermal burns with appropriate first aid measure for degree of burn. Cool skin rapidly with cold water after contact with molten material. Subcutaneous injection may require surgical treatment. 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**

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Ingestion**

Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. When symptoms persist or in all cases of doubt, seek medical advice.

**Most important symptoms/effects, acute and delayed**

Repeated or excessive exposure may cause slight skin and eye irritation. Symptoms may include stinging and tearing. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing, and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Hydrocarbons injected into the skin under pressure can cause severe injury. Symptoms from pressure injection may include inflammation, swelling and severe, permanent tissue damage. 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.

Exposure to hot material may cause thermal burns.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed. Closed containers may rupture if exposed to excess heat of flame due to a build-up of internal pressure. Vapors are heavier than air and may spread along floors. Material will float on water and can be re-ignited at the water’s surface.

**Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-fighting equipment/instructions**

Move containers from fire area if you can do so without risk. Firefighters should wear full protective clothing including self contained breathing apparatus. Use water spray to cool unopened containers. Do not scatter spilled material with high pressure water streams. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**

No unusual fire or explosion hazards noted.

**Hazardous combustion products**

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment and clothing during clean-up. See Section 8 of the SDS for Personal Protective Equipment. Restrict access to area until completion of clean-up. Keep people away from and upwind of spill/leak.

Methods and materials for containment and cleaning up

Ventilate the contaminated area. Remove sources of ignition. Stop leak if you can do so without risk. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand). For waste disposal, see Section 13. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not breathe gas, fumes, or vapor. Use only with adequate ventilation. Wear chemically resistant protective equipment during handling. Avoid contact with eyes, skin, and clothing. Keep away from heat and sources of ignition. Keep away from incompatibles. Empty containers retain residue and can be dangerous. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Inspect periodically for damage or leaks. Protect against physical damage. No smoking in the area. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3)</td>
<td>TWA</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</td>
<td>Components</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Mist.</td>
</tr>
<tr>
<td>2000 mg/m3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>US. ACGIH Threshold Limit Values</td>
<td>Components</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>US. NIOSH: Pocket Guide to Chemical Hazards</td>
<td>Components</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)</td>
<td>STEL</td>
<td>10 mg/m3</td>
<td>Mist.</td>
</tr>
<tr>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Mist.</td>
<td></td>
</tr>
<tr>
<td>Biological limit values</td>
<td>No biological exposure limits noted for the ingredient(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appropriate engineering controls</td>
<td>Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individual protection measures, such as personal protective equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>Wear safety goggles or glasses as appropriate for the job. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin protection</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hand protection</td>
<td>Wear appropriate chemical resistant gloves. Advice should be sought from glove suppliers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns. Use of an impervious apron is recommended. Use of impervious boots is recommended.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Respiratory protection
Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Advice should be sought from respiratory protection specialists.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
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.

9. Physical and chemical properties

Appearance
- Physical state: Liquid.
- Form: Liquid.
- Color: Amber.

Odor
Petroleum-like

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
-29.2 °F (-34 °C) (pour point)

Initial boiling point and boiling range
> 449.6 °F (> 232 °C)

Flash point
440.6 °F (227.0 °C) Cleveland Open Cup

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
- Flammability limit - lower (%) Not available.
- Flammability limit - upper (%) Not available.
- Explosive limit - lower (%) Not available.
- Explosive limit - upper (%) Not available.

Vapor pressure
< 1 mm Hg

Vapor density
12

Relative density
Not available.

Solubility(ies)
- Solubility (water): Insoluble

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

Other information
- Kinematic viscosity 220 cSt
- Kinematic viscosity temperature 104 °F (40 °C)
- Percent volatile 0 %
- Specific gravity 0.88

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Conditions to avoid
Avoid temperatures exceeding the flash point. Contact with incompatible materials. Direct sources of heat. Do not use in areas without adequate ventilation.

Incompatible materials
Strong oxidizing agents.
11. Toxicological information

Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>May cause discomfort if swallowed.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Mild respiratory irritant.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Direct skin contact may cause slight or mild, transient irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Repeated or excessive exposure may cause slight skin and eye irritation. Symptoms may include stinging and tearing. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Hydrocarbons injected into the skin under pressure can cause severe injury. Symptoms from pressure injection may include inflammation, swelling and severe, permanent tissue damage. 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.

Information on toxicological effects

Acute toxicity

The below product data is the calculated ATE values for this mixture. Individual ingredient component data appears below the product mixture ATE values.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNH Tutela Transaxle Fluid SAE 80W-140 (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 4098 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>&gt; 4098 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 2.18 mg/l, 4 hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5263 mg/kg</td>
</tr>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base oil - unspecified (CAS Proprietary)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>No data in literature</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>No data in literature</td>
</tr>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 2.19 mg/l, 4 hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Lubricating Oils (petroleum), (c=15-30), Hydrotreated Neutral Oil-based (CAS 72623-86-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td></td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>2.18 mg/l, 4 Hours (Mist)</td>
</tr>
<tr>
<td>Components</td>
<td>Species</td>
<td>Test Results</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>---------</td>
<td>------------------</td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)

**Acute**
- **Dermal**
  - LD50: Rat, > 2000 mg/kg
- **Inhalation**
  - LC50: Rat, >= 2.18 mg/l, 4 Hours
- **Oral**
  - LD50: Rat, > 5000 mg/kg

Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3)

**Acute**
- **Dermal**
  - LC50: Rabbit, No data in literature
- **Inhalation**
  - LC50: Rat, No data in literature
- **Oral**
  - LD50: Rat, 26100 mg/kg

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
- Direct skin contact may cause slight or mild, transient irritation. Hydrocarbons injected into the skin under pressure can cause severe injury. Thermal burn hazard - contact with hot material may cause thermal burns.

**Serious eye damage/eye irritation**
- Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**
- **Respiratory sensitization**
  - This product is not expected to cause respiratory sensitization.
- **Skin sensitization**
  - This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**
- No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
- This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

- Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**
- Distillates (petroleum) solvent-refined heavy paraffinic: Known To Be Human Carcinogen (CAS 64741-88-4)

**Reproductive toxicity**
- This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
- Not classified as a specific target organ toxicity - single exposure.

**Specific target organ toxicity - repeated exposure**
- Not classified as a specific target organ toxicity - repeated exposure.

**Chronic effects**
- Oils can block the skin pores causing an acne-like disorder. Overexposure to sprays and mist may cause chemical pneumonitis (inflammation of lung tissue).

**Aspiration toxicity**
- Not expected to be an aspiration hazard.

12. **Ecological information**

**Ecotoxicity**
- The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>&gt; 1000 mg/l, 48 hours</td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fish</strong></td>
<td>LC50 Fathead minnow (Pimephales promelas) &gt; 100 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>Algae NOEC Green Algae (Pseudokirchneriella subcapitata) &gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td><strong>Crustacea</strong></td>
<td>NOEC Water flea (Daphnia magna) 10 mg/l, 21 days</td>
</tr>
</tbody>
</table>

**Lubricating Oils (petroleum), (c=15-30), Hydrotreated Neutral Oil-based (CAS 72623-86-0)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic</strong></td>
<td>Acute Crustacea EC50 Water flea (Daphnia magna) &gt; 10000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) &gt; 100 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>Algae NOEC Green Algae (Pseudokirchneriella subcapitata) &gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td><strong>Crustacea</strong></td>
<td>NOEC Water flea (Daphnia magna) 10 mg/l, 21 days</td>
</tr>
</tbody>
</table>

**Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3)**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic</strong></td>
<td>Acute Algae EC50 Green algae (Selenastrum capricornutum) 1 - 5 mg/l, 96 hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50 Water flea (Daphnia magna) 1 - 1.5 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) 1 - 5 mg/l, 96 hours</td>
</tr>
<tr>
<td><strong>Chronic</strong></td>
<td>Algae NOEC Green algae (Selenastrum capricornutum) 1 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

### Persistence and degradability
- No data is available on the degradability of this product.

### Bioaccumulative potential
- No data available.

### Mobility in soil
- No data available.

### Other adverse effects
- No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Local disposal regulations
Dispose in accordance with all applicable regulations.

#### Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

#### Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT
Not regulated as dangerous goods.

#### IATA
Not regulated as dangerous goods.

#### IMDG
Not regulated as dangerous goods.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
This substance/mixture is not intended to be transported in bulk.
15. Regulatory information

US federal regulations
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc, Dithiophosphate Di-c1-14-alkyl Esters</td>
<td>68649-42-3</td>
<td>0.1 - 2</td>
</tr>
</tbody>
</table>

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
US. Massachusetts RTK - Substance List
Distillates (petroleum) solvent-refined heavy paraffinic (CAS 64741-88-4)

US. New Jersey Worker and Community Right-to-Know Act
Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3)

US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Zinc, Dithiophosphate Di-c1-14-alkyl Esters (CAS 68649-42-3)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Country(s) or region</td>
<td>Inventory name</td>
<td>On inventory (yes/no)*</td>
</tr>
<tr>
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</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
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<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date: 06-25-2014
Version #: 01

List of abbreviations
- ACGIH: American Conference of Governmental Industrial Hygienists
- CAS: Chemical Abstract Services
- CEPA: Canadian Environmental Protection Act
- CPR: Controlled Products Regulation
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- DSL: Domestic Substance List
- HMIS: Hazardous Materials Identification System
- HPA: Hazardous Protection Act
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- IMDG: International Maritime Dangerous Goods
- LC: Lethal Concentration
- LD: Lethal Dose
- NFPA: National Fire Protection Association
- NOEC: No observable effect concentration
- NTP: National Toxicology Program
- OECD: Organisation for Economic Co operation and Development
- OEL: National occupational exposure limits
- OSHA: Occupational Safety and Health Administration
- PPE: Personal Protective Equipment
- RCRA: Resource Conservation and Recovery Act
- RQ: Reportable Quantity
- RTECS: Registry of Toxic Effects of Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act
- SDS: Safety Data Sheet
- STEL: Short Term Exposure Limit
- TWA: Time Weighted Average
- WEL: Workplace Exposure Limit

Disclaimer
Prepared by: ICC The Compliance Center Inc. 1-888-442-9628
http://www.thecompliancecenter.com

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