SAFETY DATA SHEET

Revision Date: 07/31/2016
Print Date: 9/27/2016
SDS Number: R0394062

Version: 1.4

NAPA® AUTOMATIC TRANSMISSION FLUID


SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name: NAPA® AUTOMATIC TRANSMISSION FLUID

Recommended use of the chemical and restrictions on use

<table>
<thead>
<tr>
<th>Details of the supplier of the safety data sheet</th>
<th>Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valvoline LLC</td>
<td>1-800-VALVOLINE</td>
</tr>
<tr>
<td>3499 Blazer Parkway</td>
<td></td>
</tr>
<tr>
<td>Lexington, KY 40509</td>
<td></td>
</tr>
<tr>
<td>United States of America</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:SDS@valvoline.com">SDS@valvoline.com</a></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Eye irritation: Category 2A
Skin sensitization: Category 1

GHS Label element
Hazard pictograms:

Signal Word: Warning

Hazard Statements: May cause an allergic skin reaction.
Causes serious eye irritation.

Precautionary Statements: Prevention:
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
Wash skin thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear eye protection/ face protection.
Wear protective gloves.
Response:
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.

Disposal:
Dispose of contents/container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance / Mixture</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical nature</td>
<td>Defatter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>Not a hazardous substance or mixture.</td>
<td>40.27</td>
</tr>
<tr>
<td>POLYALKYLMETHACRYLATE</td>
<td></td>
<td>Eye Irrit. 2A; H319</td>
<td>13.25</td>
</tr>
<tr>
<td>MINERAL OIL</td>
<td></td>
<td>Not a hazardous substance or mixture.</td>
<td>13.25</td>
</tr>
<tr>
<td>HYDROTREATED LIGHT PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td>Asp. Tox. 1; H304</td>
<td>5.23</td>
</tr>
<tr>
<td>METHACRYLATE COPOLYMER</td>
<td></td>
<td>Eye Irrit. 2A; H319</td>
<td>1.10</td>
</tr>
<tr>
<td>ALKOXYLATED LONG-CHAIN ALKYL AMINE</td>
<td></td>
<td>Acute Tox. 4; H302</td>
<td>0.11</td>
</tr>
</tbody>
</table>

| Skin Corr. 1B; H314                              |                  |                                 |
|                                                 |                  |                                 |
|                                                 |                  |                                 |
|                                                 |                  |                                 |
|                                                 |                  |                                 |
|                                                 |                  |                                 |
|                                                 |                  |                                 |
SECTION 4. FIRST AID MEASURES

General advice
Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If inhaled
If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact
Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. Wash contaminated clothing before re-use.

In case of eye contact
Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.

If swallowed
Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed:

Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:
- stomach or intestinal upset (nausea, vomiting, diarrhea)
- irritation (nose, throat, airways)
- May cause an allergic skin reaction.
- Causes serious eye irritation.

Notes to physician:
- No hazards which require special first aid measures.

### SECTION 5. FIREFIGHTING MEASURES

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water spray</td>
</tr>
<tr>
<td></td>
<td>Foam</td>
</tr>
<tr>
<td></td>
<td>Carbon dioxide (CO2)</td>
</tr>
<tr>
<td></td>
<td>Dry chemical</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>High volume water jet</td>
</tr>
<tr>
<td>Specific hazards during firefighting</td>
<td>Do not allow run-off from fire fighting to enter drains or water courses.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>carbon dioxide and carbon monoxide</td>
</tr>
<tr>
<td></td>
<td>Hydrocarbons</td>
</tr>
<tr>
<td></td>
<td>nitrogen oxides (NOx)</td>
</tr>
<tr>
<td>Specific extinguishing methods</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Product is compatible with standard fire-fighting agents.</td>
</tr>
<tr>
<td>Further information</td>
<td>Standard procedure for chemical fires.</td>
</tr>
<tr>
<td>Special protective equipment</td>
<td>In the event of fire, wear self-contained breathing apparatus.</td>
</tr>
</tbody>
</table>
for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Other information: Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Do not breathe vapours/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROTREATED LIGHT</td>
<td>64742-55-8</td>
<td>REL</td>
<td>5 mg/m³</td>
<td>NIOSH/GUID</td>
</tr>
<tr>
<td>Paraffinic Distillate</td>
<td>STEL</td>
<td>Mist.</td>
<td>E</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-------</td>
<td>--------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pel</td>
<td>5 mg/m³ Mist.</td>
<td>OSHA_TRA NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>REL</td>
<td>Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>Mist.</td>
<td>OSHA_TRA NS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ Mist.</td>
<td>OSHA_TRA NS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>Mist.</td>
<td>TN OEL</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td></td>
<td>Mist.</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Hydrotreated Light Paraffinic Distillate</td>
<td>REL</td>
<td>Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10 mg/m³ Mist.</td>
<td>NIOSH/GUIDE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>Mist.</td>
<td>OSHA_TRA NS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ Mist.</td>
<td>OSHA_TRA NS</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering measures: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection: Wear as appropriate:
- Impervious clothing
- Safety shoes
- Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Discard gloves that show tears, pinholes, or signs of wear.
- Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures: Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>red</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>410 °F / 210 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>6 %(V)</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>1 %(V)</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.0133333 hPa (21.11 °C)</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>0.858 g/cm³ (15.56 °C)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>negligible</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>7.4 mm²/s (100 °C)</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SECTION 10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Product will not undergo hazardous polymerization.
Conditions to avoid: Excessive heat
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: Carbon dioxide and carbon monoxide
Hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Skin contact, Eye contact, Ingestion

Acute toxicity: Not classified based on available information.
Components:
ALKOXylATED LONG-CHAIN ALKYL AMINE:
Acute oral toxicity: Assessment: The component/mixture is classified as acute oral toxicity, category 4.

Skin corrosion/irritation: Not classified based on available information.
Product:
Remarks: May cause skin irritation in susceptible persons.
Result: Repeated exposure may cause skin dryness or cracking.

Components:
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin
POLYALKYLMETHACRYLATE:
Result: Not irritating to skin
MINERAL OIL:
Result: Mildly irritating to skin
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin

METHACRYLATE COPOLYMER:
Result: Not irritating to skin

ALKOXYLATED LONG-CHAIN ALKYL AMINE:
Result: Corrosive to skin

ALKYL METHACRYLATE:
Result: Irritating to skin

**Serious eye damage/eye irritation**
Causes serious eye irritation.

**Product:**
Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

**Components:**
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to eyes

POLYALKYL METHACRYLATE:
Result: Irritating to eyes

MINERAL OIL:
Result: Mildly irritating to eyes

HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to eyes

METHACRYLATE COPOLYMER:
Result: Irritating to eyes

ALKOXYLATED LONG-CHAIN ALKYL AMINE:
Result: Corrosive to eyes

ALKYL METHACRYLATE:
Result: Irritating to eyes

**Respiratory or skin sensitisation**
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

**Components:**
ALKOXYLATED LONG-CHAIN ALKYL AMINE:
Assessment: May cause sensitization by skin contact.

ALKYL METHACRYLATE:
Assessment: May cause sensitization by skin contact.

**Germ cell mutagenicity**
Not classified based on available information.
Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

Components:
ALKYL METHACRYLATE:
Assessment: May cause respiratory irritation.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Components:
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
May be fatal if swallowed and enters airways.

Further information
Product:
Remarks: No data available

Carcinogenicity:
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
ALKOXYLATED LONG-CHAIN ALKYL AMINE:
Ecotoxicology Assessment
Acute aquatic toxicity: Harmful to aquatic life.

Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

ALKYL METHACRYLATE:
Ecotoxicology Assessment
Acute aquatic toxicity: Very toxic to aquatic life.

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.
Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

Product:
Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
General advice : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

<table>
<thead>
<tr>
<th>REGULATION</th>
<th>ID NUMBER</th>
<th>PROPER SHIPPING NAME</th>
<th>*HAZARD CLASS</th>
<th>SUBSIDIARY HAZARDS</th>
<th>PACKING GROUP</th>
<th>MARINE POLLUTANT / LTD. QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT - ROAD</td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFR_RAIL_C</td>
<td>Not dangerous goods</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U.S. DOT - INLAND WATERWAYS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards**

: Acute Health Hazard

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<table>
<thead>
<tr>
<th>TDG ROAD C</th>
<th>Not dangerous goods</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG RAIL C</td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>TDG INWT C</td>
<td>Not dangerous goods</td>
</tr>
</tbody>
</table>

### INTERNATIONAL MARITIME DANGEROUS GOODS

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CLASS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
<td>MARINE POLLUTANT: (HETEROCYCLIC ETHER, ETHOXYLATE D AMINE)</td>
<td></td>
</tr>
</tbody>
</table>

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
<td></td>
</tr>
</tbody>
</table>

### INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
<td></td>
</tr>
</tbody>
</table>

### MX DG

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
<td></td>
</tr>
</tbody>
</table>

---

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant</td>
<td>no</td>
</tr>
</tbody>
</table>

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.
SARA 313 Component(s)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know

HEAVY PARAFFINIC DISTILLATE 64742-54-7 30.00 - 50.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 30.00 - 50.00 %
POLYALKYLMETHACRYLATE Not Assigned 10.00 - 20.00 %
MINERAL OIL Not Assigned 10.00 - 20.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 5.00 - 10.00 %

New Jersey Right To Know

HEAVY PARAFFINIC DISTILLATE 64742-54-7 30.00 - 50.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 30.00 - 50.00 %
POLYALKYLMETHACRYLATE Not Assigned 10.00 - 20.00 %
MINERAL OIL Not Assigned 10.00 - 20.00 %
HYDROTREATED LIGHT PARAFFINIC DISTILLATE 64742-55-8 5.00 - 10.00 %

California Prop 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:

TSCA: On TSCA Inventory
DSL: All components of this product are on the Canadian DSL.
AICS: Not in compliance with the inventory
ENCS: On the inventory, or in compliance with the inventory
KECI: On the inventory, or in compliance with the inventory
PICCS: On the inventory, or in compliance with the inventory
IECSC: Not in compliance with the inventory

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)
SECTION 16. OTHER INFORMATION

Further information
Revision Date: 07/31/2016

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>HEALTH</td>
</tr>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
<td>FLAMMABILITY</td>
</tr>
<tr>
<td>Special hazard.</td>
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</tr>
<tr>
<td>Physical Hazard</td>
<td>PHYSICAL HAZARD</td>
</tr>
<tr>
<td>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic</td>
<td></td>
</tr>
</tbody>
</table>

NFPA Flammable and Combustible Liquids Classification
Combustible Liquid Class III B

Full text of H-Statements referred to under sections 2 and 3.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H402 Harmful to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Further information

Sources of key data used to compile the Safety Data Sheet
Valvoline internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the
information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Valvoline's Environmental Health and Safety Department (1-800-825-8654).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:
- ACGIH: American Conference of Industrial Hygienists
- BEI: Biological Exposure Index
- CAS: Chemical Abstracts Service (Division of the American Chemical Society)
- CMR: Carcinogenic, Mutagenic or Toxic for Reproduction
- FG: Food grade
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- H-statement: Hazard Statement
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the “International Air Transport Association” (IATA).
- ICAO: International Civil Aviation Organization
- ICAO-TI (ICAO): Technical Instructions by the “International Civil Aviation Organization”
- IMDG: International Maritime Code for Dangerous Goods
- ISO: International Organization for Standardization
- logPow: octanol-water partition coefficient
- LCxx: Lethal Concentration, for xx percent of test population
- LDxx: Lethal Dose, for xx percent of test population.
- ICxx: Inhibitory Concentration for xx of a substance
- Ecxx: Effective Concentration of xx
- N.O.S.: Not Otherwise Specified
- OECD: Organization for Economic Co-operation and Development
- OEL: Occupational Exposure Limit
- P-Statement: Precautionary Statement
- PBT: Persistent, Bioaccumulative and Toxic
- PPE: Personal Protective Equipment
- STEL: Short-term exposure limit
- STOT: Specific Target Organ Toxicity
- TLV: Threshold Limit Value
- TWA: Time-weighted average
- vPvB: Very Persistent and Very Bioaccumulative
- WEL: Workplace Exposure Level
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- DOT: Department of Transportation
- FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
- HMIRC: Hazardous Materials Information Review Commission
- HMIS: Hazardous Materials Identification System
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety and Health Administration
- PMRA: Health Canada Pest Management Regulatory Agency
- RTK: Right to Know
- WHMIS: Workplace Hazardous Materials Information System