
SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name : Pyroil™ PSF POWER STEERING 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>Niteo Products, LLC</td>
<td>CHEMTREC DIRECT 1-800-424-9300</td>
</tr>
<tr>
<td>P.O. Box 191629</td>
<td>Product Information</td>
</tr>
<tr>
<td>Dallas TX  75219</td>
<td>1-844-696-4836</td>
</tr>
<tr>
<td>United States of America</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Reproductive toxicity : Category 2

GHS Label element
Hazard pictograms : |

Signal Word : Warning
Hazard Statements : Suspected of damaging fertility or the unborn child.
Precautionary Statements : Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
If exposed or concerned: Get medical advice/ attention.
Storage:
Store locked up.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.
OTHER HAZARDS
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

<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>Asp. Tox. 1; H304</td>
<td>12.41</td>
</tr>
<tr>
<td>TRICRESYL PHOSPHATE</td>
<td>1330-78-5</td>
<td>Acute Tox. 4; H332 Repr. 2; H361</td>
<td>0.21</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice: Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. 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: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

In case of eye contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

If swallowed: Obtain medical attention. 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: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who
delayed 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)
- Suspected of damaging fertility or the unborn child.

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>Water spray</td>
<td>Water spray</td>
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<tr>
<td>Foam</td>
<td>Foam</td>
</tr>
<tr>
<td>Carbon dioxide (CO2)</td>
<td>Carbon dioxide (CO2)</td>
</tr>
<tr>
<td>Dry chemical</td>
<td>Dry chemical</td>
</tr>
</tbody>
</table>

| Unsuitable extinguishing media | High volume water jet |

<table>
<thead>
<tr>
<th>Specific hazards during firefighting</th>
<th>Do not allow run-off from fire fighting to enter drains or water courses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous combustion products</td>
<td>carbon dioxide and carbon monoxide</td>
</tr>
<tr>
<td></td>
<td>Hydrocarbons</td>
</tr>
</tbody>
</table>

| Specific extinguishing methods       | Product is compatible with standard fire-fighting agents.               |

| Further information                  | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

| Special protective equipment for firefighters | In the event of fire, wear self-contained breathing apparatus. |
SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. 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. If the product contaminates rivers and lakes or drains inform respective authorities.

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. Container hazardous when empty. 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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions.

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 PARAFFINIC DISTILLATE</td>
<td>64742-55-8</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH</td>
<td></td>
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<td></td>
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<td></td>
<td>ACGIHLIS_P</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIHLIS_P</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL</td>
<td>5 mg/m3 Mist.</td>
<td>NIOSH/GUIDE</td>
</tr>
</tbody>
</table>


Hazardous components without workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRICRESYL PHOSPHATE</td>
<td>1330-78-5</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

Respiratory protection: A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

Hand protection

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

Eye protection: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

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.
- Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures: Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid

Odour: No data available
Odour Threshold : No data available
pH : No data available
Melting point/freezing point : No data available
Boiling point/boiling range : No data available
Flash point : > 390 °F / > 199 °C
   Method: Cleveland open cup
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : 1.33 hPa
   Calculated Vapor Pressure
Relative vapour density : No data available
Relative density : No data available
Density : No data available
Solubility(ies)
   Water solubility : No data available
   Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Thermal decomposition : No data available
Viscosity
   Viscosity, dynamic : No data available
   Viscosity, kinematic : 42 mm2/s (40 °C)
Oxidizing properties : No data available

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:
TRICRESYL PHOSPHATE:
Acute oral toxicity: LD50 (Rat, male and female): > 20,000 mg/kg

Acute inhalation toxicity: LC50 (Rat, male and female): > 11.1 mg/l
Exposure time: 1 h
Test atmosphere: dust/mist
Assessment: The component/mixture is classified as acute inhalation toxicity, category 5.
Remarks: No mortality observed at this dose.

Acute dermal toxicity: LD50 (Rabbit, male and female): 3,700 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Components:
HYDROTREATED LIGHT PARAFFINIC DISTILLATE:
Result: Mildly irritating to skin

TRICRESYL PHOSPHATE:
Species: Rabbit
Exposure time: 4 h
Result: Slightly irritating to skin

Serious eye damage/eye irritation
Not classified based on available information.

Product:
Remarks: Unlikely to cause eye irritation or injury.

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

TRICRESYL PHOSPHATE:
Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Components:
TRICRESYL PHOSPHATE:
Test Type: Local lymph node assay
Exposure routes: Dermal
Species: Mouse
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 429
GLP: yes

Germ cell mutagenicity
Not classified based on available information.

Components:
TRICRESYL PHOSPHATE:
Genotoxicity in vitro:
  Test Type: Chromosome aberration test in vitro
  Test species: Chinese hamster lung cells
  Metabolic activation: with and without metabolic activation
  Method: OECD Test Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
  Result: negative
  GLP: yes

  Test Type: Ames test
  Test species: Salmonella typhimurium
  Metabolic activation: with and without metabolic activation
  Method: OECD Test Guideline 471
  Result: negative
  GLP: no

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Suspected of damaging fertility or the unborn child.

Components:
TRICRESYL PHOSPHATE:
Effects on fertility:
  Test Type: Fertility/early embryonic development
    Species: Rat, male and female
    Application Route: Oral

  Test Type: Two-generation study
    Species: Mouse, male and female
    Application Route: Oral

Effects on foetal development:
  Test Type: Embryo-foetal development
    Species: Rat, male and female
Application Route: Oral
Method: OPPTS 870.3700
Result: Teratogenic potential
GLP: yes

Reproductive toxicity - Assessment: Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

STOT - single exposure
Not classified based on available information.

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

Product:
Ecotoxicology Assessment
Acute aquatic toxicity: Acute aquatic toxicity Category 3; Harmful to aquatic life.

Chronic aquatic toxicity: Chronic aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects.

TRICRESYL PHOSPHATE:
Toxicity to fish: LC50 (Rainbow darter (Etheostoma caeruleum)): 0.6 mg/l
Exposure time: 96 h
Test Type: static test
### Toxicity to Daphnia and Other Aquatic Invertebrates

Toxicity to daphnia and other aquatic invertebrates: (Daphnia magna (Water flea)): 0.146 mg/l  
Test Type: Immobilization  
Method: OECD Test Guideline 202  
GLP: yes

### Toxicity to Algae

Toxicity to algae: ErC50 (Pseudokirchneriella subcapitata (microalgae)): > 2.5 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
GLP: yes

### M-Factor (Acute Aquatic Toxicity)

M-Factor (Acute aquatic toxicity): 1

### Toxicity to Fish (Chronic Toxicity)

Toxicity to fish (Chronic toxicity): (Oncorhynchus mykiss (rainbow trout)): 0.9 mg/l  
Exposure time: 28 d

### Toxicity to Bacteria

Toxicity to bacteria: EC 50 (activated sludge): > 1,000 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Method: OECD Test Guideline 209  
GLP: yes

### Ecotoxicology Assessment

Chronic aquatic toxicity: Very toxic to aquatic life with long lasting effects.

### Persistence and Degradability

TRICRESYL PHOSPHATE:

**Biodegradability**

- Result: Readily biodegradable  
- Biodegradation: 80 %  
- Exposure time: 28 d  
- Method: OECD Test Guideline 301C  
- GLP: yes

### Bioaccumulative Potential

TRICRESYL PHOSPHATE:

**Bioaccumulation**

- Species: Fathead minnow (Pimephales promelas)  
- Bioconcentration factor (BCF): 165  
- Exposure time: 32 d  
- Concentration: 0.0316 mg/l  
- Method: Flow through

**Partition Coefficient: n-octanol/water**

- log Pow: 5.93

### Mobility in Soil

No data available
Other adverse effects
No data available

Product:
Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
General advice : The product should not be allowed to enter drains, water courses or the soil.
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

REGULATION

<table>
<thead>
<tr>
<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>
</table>

U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods
TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

MARINE POLLUTANT:
TRICRESYL PHOSPHATE,
TRI-ORTHO-CRESYL PHOSPHATE

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

| Marine pollutant | yes |

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.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Chronic Health Hazard

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.
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: On the inventory, or 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: On the inventory, or 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), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information
Revision Date: 11/17/2015

<table>
<thead>
<tr>
<th>NFPA: Flammability</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>0*</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

NFPA Flammable and Combustible Liquids Classification
Combustible Liquid Class IIIB

Full text of H-Statements
H304 May be fatal if swallowed and enters airways.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
Sources of key data used to compile the Safety Data Sheet
Internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.
Cefic, the European Chemical Industry Council.
ESIS European Chemical Substances Information System

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 Niteo’s Environmental Health and Safety Department (1-844-696-4836).

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
<table>
<thead>
<tr>
<th>SAFETY DATA SHEET</th>
</tr>
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<tbody>
<tr>
<td>Revision Date: 11/17/2015</td>
</tr>
<tr>
<td>Print Date: 12/8/2015</td>
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<tr>
<td>SDS Number: 000000264507</td>
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<tr>
<td>Pyroil™ PSF POWER STEERING FLUID</td>
</tr>
<tr>
<td>Version: 1.0</td>
</tr>
</tbody>
</table>

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