



<b>Inhalation</b>	Avoid breathing of vapors or spray mist. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m <sup>3</sup> ; ACGIH TLV STEL: 10 mg/m <sup>3</sup> ; OSHA PEL TWA: 5 mg/m <sup>3</sup> ).
<b>Ingestion</b>	Ingestion is not considered a likely route of exposure. Low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury and possibly death.
<b>Carcinogenic Effects</b>	Carcinogenic effect of the complete mixture has not been evaluated. Information on individual ingredients which may have carcinogenic effects, if any, will be found in Section 3.
<b>Chronic Health Effects</b>	Reports have associated repeated and prolonged occupational overexposure to petroleum based products with liver, kidney, brain and nervous system damage. There is, however, no reported human evidence that these effects occur when exposure is maintained below OSHA and ACGIH limits.
<b>Aggravated Medical Conditions</b>	No information available

See Section 11 for additional toxicological information.

See Section 12 for ecological information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

If any of the components of this product are defined as hazardous by OSHA Hazard Communication Standard 1910.1200 and are present at 1% or more (0.1% or more for carcinogens) they will be listed in this section. If no components appear in this section, no components of the product meet or exceed the reporting requirements.

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	Consult a physician or Poison Control Center immediately. Do not induce vomiting without medical advice.
<b>Notes to Physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Combustible material: may burn but does not ignite readily
<b>Suitable Extinguishing Media</b>	Water spray or fog, dry chemical, carbon dioxide (CO <sub>2</sub> ) or foam. Cool containers with flooding quantities of water until well after fire is out.
<b>Hazardous Combustion Products</b>	No information available

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Avoid contact with skin, eyes and clothing

**Methods for Containment**

Prevent further leakage or spillage if safe to do so. Use inert absorbent materials to confine spills and absorb spill.

**Methods for Clean-up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

**Other Information**

Report spills as required to the appropriate authorities.

## 7. HANDLING AND STORAGE

**Handling**

Handle in accordance with good industrial hygiene and safety practice

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Controls**

Use in well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m<sup>3</sup>; ACGIH TLV STEL: 10 mg/m<sup>3</sup>; OSHA PEL TWA: 5 mg/m<sup>3</sup>).

**Eye/face Protection**

Safety glasses with side-shields

**Skin Protection**

Use protective gloves and clothing if contact with product is likely

**Respiratory Protection**

If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance  
Physical State**

Dark grey, Black  
Liquid

**Odor  
pH**

Petroleum distillates  
No data available

<b>Flash Point</b>	>179°C	<b>Autoignition Temperature</b>	>260°C
<b>Boiling Point/Range</b>	>293°C	<b>Melting Point/Range</b>	No data available
<b>Flammability Limits in Air, %</b>	No data available		
<b>Specific Gravity (Water=1)</b>	0.89	<b>Solubility In Water</b>	Insoluble
<b>Vapor Density (Air=1)</b>	> 5	<b>VOC Content, % Vol</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces and sources of ignition
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Hydrogen sulfide (H <sub>2</sub> S) may be produced above 250° F (121° C)
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

Toxicity of this complete mixture has not been evaluated. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no toxicological information available for any of the components of the mixture.

<b><u>Acute Toxicity</u></b>	The table below indicates harmful exposure levels for specific ingredients.
<b><u>Chronic Toxicity</u></b>	Reports have associated repeated and prolonged occupational overexposure to petroleum based products with liver, kidney, brain and nervous system damage. There is, however, no reported human evidence that these effects occur when exposure is maintained below OSHA and ACGIH limits.
<b><u>Carcinogenicity</u></b>	This product contains no ingredients with a concentration of 0.01% or more which are known to be carcinogenic.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

Ecotoxicity and biodegradability of this complete mixture have not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water and should not be considered readily biodegradable. If information is available on any of the individual components of the mixture, it is presented in this section. If no information appears in this section, there is no ecotoxicity or biodegradability information available for any of the components of the mixture.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of contents/container in accordance with local regulation
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## 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

## 15. REGULATORY INFORMATION

**U.S. Regulations & Inventories** No regulatory requirements found. All components of this product are either listed on applicable inventories or are exempt from listing requirements.

**U.S. State Right-to-Know Regulations** No regulatory requirements found. All components of this product are either listed on applicable inventories or are exempt from listing requirements.

**Canada Regulations & Inventories** No regulatory requirements found. All components of this product are either listed on applicable inventories or are exempt from listing requirements.

This product has been classified in accordance with the hazard criteria of the Candian CPR (Controlled Products Regulations) and the MSDS contains all the information required by the CPR.

**International Regulations & Inventories** No regulatory requirements found. All components of this product are either listed on applicable inventories or are exempt from listing requirements.

## 16. OTHER INFORMATION

### Regulatory Lists Searched & Other Sources of Information

ACGIH - American Convergence of Governmental Industrial Hygienists  
 ADN - European Agreement for International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement for International Carriage of Dangerous Goods by Road  
 AICS - Australian Inventory of Chemical Substances  
 ANSI - American National Standards Institute  
 CAP65 - California Proposition 65 Hazard List  
 CAS - Chemical Abstract Services  
 CERCLA - Comprehensive Environmental Response, Compensation & Liability Act  
 CHINA - China Inventory  
 CPR - Canadian Controlled Products Regulations  
 DOT - United States Department of Transportation  
 DSL - Canada Domestic Substances List  
 EINECS - European Union (EU) European Inventory of Existing Commercial Chemical Substances

ENCS - Japan Existing and New Chemical Substances  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Dangerous Goods Code  
MARTK - Massachusetts Right To Know List  
NDSL - Canada Non-Domestic Substances List  
NFPA - United States National Fire Protection Association  
NIOSH - United States National Institute for Occupational Safety & Health  
NJRTK - New Jersey Right To Know List  
NTP - United States National Toxicology Program  
OSHA - United States Occupational Safety & Health Administration  
PARTK - Pennsylvania Right To Know List  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
RCRA - United States Resources Conservation & Recovery Act  
RID - European Agreement for International Carriage of Dangerous Goods by Rail  
RIHSL - Rhode Island Hazardous Substance List  
SARA - United States Superfund Amendments & Reauthorization Act  
TDG - Canada Transportation of Dangerous Goods Act  
TSCA - US Toxic Substances Control Act  
WHMIS - Canada Workplace Hazardous Materials Information System

### Definitions

EC50 - Concentration of a compound where 50% of the expected effect is observed  
LC - Lethal Concentration  
LD - Lethal Dose  
OEL - Occupational Exposure Limit  
PEL - Permissible Exposure Limits  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TWA - Time Weighted Average  
TWAEV - Time Weighted Average Exposure Value

**Revision Date** 01-Aug-2006

**Revision Summary** No information available

### Disclaimer

**The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of MSDS**