MATERIAL SAFETY DATA SHEET

PRODUCT NAME:
VetOne Conzol

AS SOLD BY VETONE

A Service of

COMPAS
MATERIAL SAFETY DATA SYSTEMS
www.compasmlds.com
2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Each mL contains:
♦ Miconazole Nitrate..........................1.15%
♦ Ethyl Alcohol..................................55.0%
♦ Polyethylene Glycol 400....................QS

3. PHYSICAL DATA

♦ Boiling point, vapor density, specific gravity: Not determined.
♦ Solubility in water: Not miscible
♦ Percent volatile by volume: 55.0%
♦ Appearance and Odor: Clear, colorless liquid with odor of alcohol

4. FIRE AND EXPLOSION HAZARD DATA

♦ Flash point, flammable limits: not determined.
♦ Extinguishing media: Use dry chemicals, carbon dioxide
♦ Special fire fighting procedures: Use water spray to flush spills away.
♦ Unusual fire and explosion hazards: None

5. HEALTH HAZARD DATA

♦ Threshold limit value: not determined.
♦ Effects of overexposure. Ethyl alcohol may cause eye irritation, headache and drowsiness.
♦ Emergency and first aid procedures:
  If ingested, have victim drink plenty of water to dilute the alcohol content. Call a physician or poison control center immediately.
  Skin contact: Immediately flush eyes with plenty of water for about 15 minutes. Get medical attention.
  Inhalation: Immediately remove victim to fresh air.
7. SPILL OR LEAK PROCEDURES

- Steps to be taken in case material is released or spilled.
  Wash thoroughly with water spray. Dry chemicals, carbon dioxide is also recommended.
- Waste disposal method
  Dispose in accordance with local, state and federal regulations regarding health, water and air pollution.

8. SPECIAL PROTECTION INFORMATION

- Ventilation: Local exhaust.
- Gloves: Wear gloves.
- Eye protection: Wear safety goggles.
- Avoid getting on clothing.

9. Attachments:

- Material Safety Data Sheet for Miconazole Nitrate
- Material Safety Data Sheet for Ethyl Alcohol
- Material Safety Data Sheet for Polyethylene Glycol
Miconazole Nitrate

---

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION**

**MANUFACTURER:** AMERICAN INTERNATIONAL CHEMICAL, INC.
17 STRATHMORE ROAD
NATICK, MA 01760

**EMERGENCY NUMBER:** CHEMTREC 800-424-9300

**AIC PRODUCT CODE:** MCNIT, MCNYTM

**DATE:** May 30, 1996

**SYNONYMS:** 1-[(2,4-Dichloro-b-2,4-dichlorobenzyl)oxy]phenethyl]-imidazole mononitrate

**CAS #:** 22832-87-7

**DOT HAZARD CLASS:** Not Regulated

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**SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS**

Miconazole Nitrate 99.5% min.

**DOT HAZARD CLASS:** Not Regulated

**CAS #:** 22832-87-7

---

**SECTION 3 - HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** A white odorless powder with a bitter taste that presents little or no health and no unusual hazard if involved in a fire.

**POTENTIAL HEALTH EFFECTS:**

- **SKIN:** May cause skin irritation.
- **EYES:** May cause irritation or burning.
- **INHALATION:** May cause irritation to the respiratory tract.
- **INGESTION:** Not a hazard with normal industrial usage.

**CHRONIC EFFECTS:** None Known

**CARCINOGENICITY:** None Identifiable

---

**SECTION 4 - FIRST AID MEASURES**

**EMERGENCY OVERVIEW:** A white odorless powder with a bitter taste that presents little or no health and no unusual hazard if involved in a fire.

**EMERGENCY MEASURES:**

- **INGESTION:** Wash out mouth with water.
- **INHALATION:** Remove to the fresh air.
- **SKIN:** Immediately wash skin with soap and water for at least 15 minutes.
- **EYES:** Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**INFORMATION AND PERSPECTIVE:**

- **ALL OF THE ABOVE:** Consult a physician if symptoms persist.

---

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASH POINT:** Non Combustible (Dry Product)

**FLAMMABLE LIMITS:** Non Combustible (Dry Product)

**EXTINGUISHING MEDIA:** Use media that is appropriate to treat surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use fire fighting procedures that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full-fighting turnout gear.

**UNUSUAL FIRE EXPLOSION HAZARD:** None Known

**AUTO IGNITION TEMPERATURE:** Not Applicable

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**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

---

**SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hydroscopic and should be stored in a dry area to prevent moisture pick up and caking.

---

**SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved respirators.

**VENTILATION REQUIREMENTS:** Ventilate as necessary to eliminate dust from the work area.

**SKIN AND EYE PROTECTION:** Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

**WORK, HYGIENIC PRACTICES:** As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

---

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** Not Applicable

**VAPOUR PRESSURE (MM Hg):** Not Applicable

**SPECIFIC GRAVITY (H2O = 1):** Not Applicable

**PERCENT VOLATILE BY VOLUME (%):** Not Applicable

**EVAPORATION RATE:** Not Applicable

**VAPOR PRESSURE (MM Hg):** Not Applicable

**VAPOR DENSITY (AIR = 1):** Not Applicable

**MELTING POINT:** ~184 deg C

**CHEMICAL STABILITY:** Stable under normal temperatures and pressures.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal pressures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May emit toxic fumes of HCl, NOx, CO, CO2

**KEEP AWAY FROM:** None Known

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**SECTION 10 - STABILITY AND REACTIVITY**

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

**LD50 ORAL - RAT:** 640 mg/kg

**LD50 ORAL - MOUSE:** 578 mg/kg

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**SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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**SECTION 13 - DISPOSAL CONSIDERATION**

Disposing in accordance with all federal, state and local regulations.

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME: Miconazole Nitrate: Not Regulated

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SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not Listed
TSCA STATUS: Listed
CERCLA REPORTABLE REQUIREMENTS (RQ): None
SARA TITLE III INFORMATION:
  SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE: Unlisted
  SECTION 313 TOXIC CHEMICALS: Unlisted
  SECTION 311/312 HAZARD CATEGORY: Not Considered a Hazard

SECTION 16 - OTHER INFORMATION

REASON FOR ISSUE: New code added

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DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: although preparer and owner have taken reasonable care in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each user should make a determination as to the suitability of the information for their particular purpose(s). A request has been made to the manufacturer to approve the contents of this material safety data sheet. Upon receipt of any changes a new MSDS will be made available.

COMPAS Code: 20430010
Section 1 - Chemical Product and Company Identification

MSDS Name:
Ethyl acetate

Catalog Numbers:

Synonyms:
Acetic acid, ethyl ester; Acetic ether; Acetidin; Acetoxyethane; Ethyl acetic ester; Ethyl ethanoate; Vinegar naphtha.

Company Identification:
Fisher Scientific - Fairlawn
One Reagent Lane
Fairlawn, NJ 07410

Company Phone Number:
(201) 796-7100

Emergency Phone Number:
(201) 796-7100

CHEMTREC Phone Number, US:
(800) 424-9300

CHEMTREC Phone Number, Europe:
(202) 483-7616

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>Percent</th>
<th>EINECS/ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-78-6</td>
<td>Ethyl acetate</td>
<td>&gt;99</td>
<td>205-500-4</td>
</tr>
</tbody>
</table>
Section 3 - Hazards Identification

**EMERGENCY OVERVIEW**

*Appearance: Clear, colorless liquid*

*Warning! Flammable liquid and vapor. Causes eye irritation. Breathing vapors may cause drowsiness and dizziness. May cause respiratory tract irritation. Prolonged or repeated contact causes defatting of the skin with irritation, dryness, and cracking.*

*Flash Point: -4°C.*

*Target Organs: Central nervous system, Respiratory system, Eyes, Skin*

**Potential Health Effects**

**Eye:**
Causes eye irritation. Vapors may cause eye irritation.

**Skin:**
May cause skin irritation. Repeated or prolonged exposure may cause drying and cracking of the skin.

**Ingestion:**
May cause irritation of the digestive tract. Ingestion of large amounts may cause central nervous depression. May cause headache, nausea, fatigue, and dizziness.

**Inhalation:**
May cause respiratory tract irritation. Inhalation of high concentrations may cause narcotic effects. May be harmful if inhaled.

**Chronic:**
Chronic inhalation may cause effects similar to those of acute inhalation.

Section 4 - First Aid Measures

**Eyes:**
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Skin:**
In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:**
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**
Treat symptomatically and supportively.
Section 5 - Fire Fighting Measures

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Extinguishing Media:
Water may be ineffective. Use water spray, alcohol foam, CO2, dry chemical.

Autoignition Temperature:
426°C (798.80°F)

 Explosion Limits:
Lower: 2.0 Upper: 11.5

Flash Point:
-4°C (24.80°F)

NFPA Rating:
(estimated) Health: 1; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information:
Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Use only non-sparking tools and equipment.

Section 7 - Handling and Storage

Handling:
Wash thoroughly after handling. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor or mist.

Storage:
Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.
Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acetate</td>
<td>400 ppm TWA</td>
<td>400 ppm TWA; 1400 mg/m3 TWA</td>
<td>400 ppm TWA; 1400 ppm IDLH</td>
</tr>
</tbody>
</table>

OSHA Vacated PELs
Ethyl acetate: 400 ppm TWA; 1400 mg/m3 TWA

Personal Protective Equipment

Eyes:
Wear chemical splash goggles.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Clear, colorless</td>
</tr>
<tr>
<td>Odor:</td>
<td>Sweet, fruity odor</td>
</tr>
<tr>
<td>Odor threshold value:</td>
<td>18 ppm (detectable); 32 ppm (recognizable)</td>
</tr>
<tr>
<td>pH:</td>
<td>No information found</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>73 mm Hg @ 20°C</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>3.04 (Air=1)</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>6.2 (Butyl acetate=1)</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>0.44 cps @ 25°C</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>77°C</td>
</tr>
<tr>
<td>Freezing/Melting Point:</td>
<td>-83°C</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>No information found</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>Slightly soluble.</td>
</tr>
<tr>
<td>Specific Gravity/Density:</td>
<td>0.9 (Water=1)</td>
</tr>
<tr>
<td>Molecular Formula:</td>
<td>C4H8O2</td>
</tr>
<tr>
<td>Molecular Weight:</td>
<td>88.11</td>
</tr>
</tbody>
</table>

Section 10 - Stability and Reactivity

Chemical Stability:
Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid:
Ignition sources, moisture, excess heat, attacks some plastics, rubber, and coatings, confined spaces

Incompatibilities with Other Materials
Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide, ethyl alcohol, acetic acid

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

RTECS:
CAS# 141-78-6: AH5425000

LD50/LC50:
CAS# 141-78-6:
Inhalation, mouse: LC50 = 45 gm/m3/2H
Inhalation, rat: LC50 = 200 gm/m3
Oral, mouse: LD50 = 4100 mg/kg
Oral, rabbit: LD50 = 4935 mg/kg
Oral, rat: LD50 = 5620 mg/kg
Skin, rabbit: LD50 = >20 mL/kg.

Carcinogenicity:
CAS# 141-78-6: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology:
No information available.

Teratogenicity:
No information available.

Reproductive:
No information available.

Mutagenicity:
Cyto genetic Analysis: hamster fibroblast 9g/L Sex Chromosome Loss/Non-disjunction: S. cerevisiae 24400 ppm.

Neurotoxicity:
No information available.

Other:
See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:
Fish: Fathead Minnow: 230mg/L; 96H;
Daphnid LC50=2500 mg/L/96H Golden orfe LC50=270 mg/L/48H
Environmental:
Terrestrial: Expected to have high mobility in soil. Volatilization of ethyl acetate from moist soil surfaces is expected to be important. Aquatic: Not expected to adsorb to suspended solids and sediment in water. Atmospheric: Expected to exist solely as a vapor in the ambient atmosphere. Vapor-phase ethyl acetate is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 10 days.

Physical:
Substance biodegrades at a high rate with little bioconcentration.

Other:
No information found

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P Series Wastes
None of the components are on this list.

RCRA U Series Wastes
CAS# 141-78-6: waste number U112 (Ignitable waste).

Section 14 - Transport Information

US DOT
Proper Shipping Name: ETHYL ACETATE
Hazard Class: 3
UN Number: UN1173
Packing Group: II
USA RQ: CAS# 141-78-6: 5000 lb final RQ; 2270 kg final RQ

Canadian TDG
Proper Shipping Name: ETHYL ACETATE
Hazard Class: 3
UN Number: UN1173
Packing Group: II

Section 15 - Regulatory Information

US Federal

TSCA
CAS# 141-78-6 is listed on the TSCA Inventory.

Health and Safety Reporting List
None of the components are on this list.

Chemical Test Rules
CAS# 141-78-6: Test for Health Effects
TSCA Section 12b
None of the components are on this list.

TSCA Significant New Use Rule (SNUR)
None of the components are on this list.

CERCLA Hazardous Substances and corresponding RQs
CAS# 141-78-6: 5000 lb final RQ; 2270 kg final RQ

SARA Section 302 Extremely Hazardous Substances
None of the components are on this list.

SARA Hazard Categories
CAS# 141-78-6: fire.

SARA Section 313
None of the components are on this list.

Clean Air Act - Hazardous Air Pollutants (HAPs)
None of the components are on this list.

Clean Air Act - Class 1 Ozone Depleters
None of the components are on this list.

Clean Air Act - Class 2 Ozone Depleters
None of the components are on this list.

Clean Water Act - Hazardous Substances
None of the components are on this list.

Clean Water Act - Priority Pollutants
None of the components are on this list.

Clean Water Act - Toxic Pollutants
None of the components are on this list.

OSHA - Highly Hazardous
None of the components are on this list.

OSHA - Specifically Regulated Chemicals
None of the components are on this list.

US State

State Right to Know
Ethyl acetate can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
None of the components are on this list.

California No Significant Risk Level
None of the components are on this list.

European/International Regulations

European Labelling in Accordance with EC Directives:
Hazard Symbols: F XI
Risk Phrases: R 11 Highly flammable.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.
Safety Phrases: S 16 Keep away from sources of ignition - No smoking.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)
No information found

United Kingdom Occupational Exposure Limits
No information found

United Kingdom Maximum Exposure Limits
No information found

Canadian DSL/NDSL
CAS# 141-78-6 is listed on Canada’s DSL List.

Canadian WHMIS Classifications
This product has a WHMIS classification of B2. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List
CAS# 141-78-6 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Other Information

Color information has been
MSDS Creation Date: December 12, 1997
Revision Date: December 28, 2004

This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from us, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution’s policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from us, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.
MATERIAL SAFETY DATA SHEET

POLYETHYLENE GLYCOLS

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc.  
17 Strathamore Road  
Natick, MA 01760

Emergency Number: Chemtrec 800-424-9300
Information Number: 800-238-0001

AIC Product Codes: PE3350, PEG400

Date: January 23, 1996

Synonyms: PEG, Polyglycol

CAS #: 25322-68-3

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Polyethylene Glycol 99.5% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear liquid that may cause slight irritation, otherwise relatively a non hazard.

POTENTIAL HEALTH EFFECTS:

Eyes and Skin: May cause irritation.
Inhalation: May cause irritation to upper respiratory tract.
Ingestion: No hazard in normal industrial use.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for 15 minutes.
Skin: Wash off with soap and water.
Inhalation: Remove to the fresh air.
Ingestion: Wash out mouth then dilute by drinking several glasses of water.
In All Of The Above: Consult a physician if symptoms persist.
SECTION 5 - FIRE FIGHTING MEASURES
Flash Point: 176°C or 350°F (closed cup)

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: Avoid possible spontaneous combustion by proper disposal of combustible materials soaked with this product.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES
Isolate hazard area and deny entry to unnecessary or unprotected personnel.
Contain spilled liquid with sand or earth. Place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE
Avoid contact with skin, eyes and clothing. Avoid breathing any vapors or mists. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: If vapors or mists are generated, use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate vapors or mists from the work area.

SKIN AND EYE PROTECTION:
Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from liquid.

WORK, HYGIENIC PRACTICES:
As required to protect skin and eyes from liquid, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
Boiling Point: Not Applicable
Vapor Pressure (MM Hg): Not Applicable
Vapor Density (AIR = 1): Not Applicable
Specific Gravity (H2O = 1): 1.12
Bulk Density: Not Applicable
Percent Volatile by Volume (%): Not Applicable
Melting Point: 8°C 46°F
Evaporation Rate (Butyl Acetate = 1): Not Applicable
Solubility in Water: Complete
pH: 4.5 - 7.5

SECTION 10 - STABILITY AND REACTIVITY
CHEMICAL STABILITY: Stable under normal temperatures and pressures.
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide
KEEP AWAY FROM: Strong oxidizing agents, polymerization catalysts and accelerators, strong bases, strong acids.

SECTION 11 - TOXICOLOGICAL INFORMATION
Intraperitoneal Rat LD₅₀  14.7 g/kg
Oral Rat LD₅₀  33750 mg/kg
Intravenous Rat LD₅₀  7312 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION
Not available
SECTION 13 - DISPOSAL CONSIDERATIONS
Dispose of in accordance with all federal, state and local regulations.
RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION
D.O.T. SHIPPING NAME: Polyethylene Glycol Not Regulated

SECTION 15 - REGULATORY INFORMATION
TSCA (TOXIC SUBSTANCE CONTROL ACT):
This product is listed on the TSCA Inventory.
CERCLA REPORTABLE REQUIREMENTS: (RQ) None
SARA TITLE III INFORMATION:
Section 302 Extremely Hazardous Substance: Unlisted
Section 313 Toxic Chemicals: Unlisted
Section 311/312 Hazard Category: Not Considered a Hazard

SECTION 16 - OTHER INFORMATION
NFPA Health - 0 Fire - 1 Reactivity - 0
Reason for Issue: New Form

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