ADDOVATE WM 22P

RHEIN CHEMIE CORPORATION
145 Parker Court
Chardon, OH 44024

TRANSPORTATION EMERGENCY
CALL CHEMTREC...........: (800) 424-9300
INTERNATIONAL ...........: (703) 527-3887

NON-TRANSPORTATION
RCC EMERGENCY PHONE : (440) 285-3547
RCC INFORMATION PHONE: (800) 289-2436

Section 1: Product and Company Identification

Product Name: ADDOVATE WM 22P
Article Number: 1774879

Section 2: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient Name/ CAS Number</th>
<th>Concentration</th>
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<tbody>
<tr>
<td></td>
<td>Exposure Limits Min. Max.</td>
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</tbody>
</table>

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Section 3: Hazards Identification

EMERGENCY OVERVIEW

No Physical Hazards Color: Brown Form: Liquid Odor: Slight Odor

POTENTIAL HEALTH EFFECTS

Route(s) of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

Inhalation Hazards
Acute Inhalation Hazards: This material is considered non-toxic.

Chronic Inhalation Hazards: None reported for this product as a whole.
Skin Hazards
Acute Skin Hazards: This product is non-irritating to the skin.
Chronic Skin Hazards: None reported for this product as a whole.

Eye Hazards
Acute Eye Hazards: This product is not expected to cause harm to the eye.
Chronic Eye Hazards: None reported for this product as a whole.

Ingestion Hazards
Acute Ingestion Hazards: Not a likely route of exposure.
Chronic Ingestion Hazards: None reported for this product as a whole.

Carcinogenic Components:
NTP: None
IARC: None
OSHA: None

Section 4: First Aid Measures

First Aid for Eye: In case of contact, flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops or persists.

First Aid for Skin: In case of skin contact, wash affected areas with soap and water. Get medical attention if irritation develops or persists.

First Aid for Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention if irritation develops or persists.

First Aid for Ingestion: If material is ingested, do not induce vomiting unless directed to do so by medical personnel. Seek medical attention if irritation develops or persists.

Section 5: Fire Fighting Measures

Flash Point: Not Established

Flammable Limits:
Upper Explosion Limit (UEL %): Not Established
Lower Explosion Limit (LEL %): Not Established

Auto-ignition Temperature: Not Established

Extinguishing Media:
Suitable: Carbon Dioxide, Dry Chemical, Foam, Water
Special Fire Fighting Procedures: Evacuate non-emergency personnel to a safe area. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

Section 6: Accidental Release Measures

Spill or Leak Procedures: Keep unnecessary personnel out of spill area. Emergency clean-up personnel should wear appropriate protection when entering the spill area for clean-up. Cover spill with absorbent material, such as sand, sweeping compound or diatomaceous earth; collect material for disposal.

Section 7: Handling and Storage

Storage Temperature:  
- Minimum: 10 °C  
- Maximum: 30 °C

Shelf Life: Not Established

Handling/Storage Precautions: Avoid contact with eyes and skin. Wash thoroughly after handling. Keep away from heat, sparks and flames. Keep container tightly closed when not in use. Store away from food and beverages. Store in a cool, dry place.

Section 8: Exposure Controls/Personal Protection

Personal Protection Equipment

Eye Protection Requirements: Safety glasses with side shields or goggles are recommended.

Skin Protection Requirements: Permeation resistant gloves (neoprene, nitrile, or PVC) and impervious clothing (long sleeve shirts) are recommended.

Ventilation Requirements: Use local exhaust ventilation if dusting or misting is a problem, to maintain air levels below the recommended exposure limit.

Respirator Requirements: Under normal handling conditions, at room temperature using good industrial hygiene practices, a respirator is not required.

Section 9: Physical and Chemical Properties

Physical Form: Liquid
Color: Brown
Odor: Slight Odor
pH: 7.5 @ 20 g/l
Boiling Point: 180 °C
Melting/Freezing Point: Not Established
Pour Point: 5 °C
Viscosity: 850 mPa.s
Solubility in Water: Miscible
Specific Gravity: 1.13
Bulk Density: Not Established
Vapor Pressure: Not Established
Vapor Density: Not Established

Section 10: Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Substances to Avoid: None Known
Conditions to Avoid: Avoid heat, flames, sparks and other sources of ignition.
Decomposition Temperature: Begins at 150 °C
Decomposition Products: Oxides of carbon, and other undetermined fragments.

Section 11: Toxicological Information

Toxicity Data for ADDOVATE WM 22P
Toxicity Note: No data available for this product.

Section 12: Ecological Information

Ecological Data for ADDOVATE WM 22P
Ecological Note: No data available for this product.

Section 13: Disposal Considerations

Waste Disposal Method: Disposal must be in compliance with federal, state and local environmental control regulations.
Empty Container Precautions: Recondition or dispose of empty container in accordance with government regulations.
Other Disposal Notes: Rhein Chemie requires that CHEMTREC be immediately notified (800-424-9300) when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Such notification must be immediate and made by the person having knowledge of the release. Distribution includes
transportation, storage incidental to transportation, loading and unloading.

Section 14: Transportation Information

Technical shipping name: Polyglycol Ether

Product Label: Product Label Established

Domestic Surface Transportation (DOT)
Hazard Class or Division: Non-Regulated

Marine Transportation (IMO / IMDG)
Hazard Class Division: Non-Regulated
Number:

Air Transportation (ICAO / IATA)
Hazard Class Division: Non-Regulated
Number:

Section 15: Regulatory Information

United States Federal Regulations

OSHA Hazcom Standard Rating: Non-Hazardous

TSCA Inventory List: On TSCA Inventory

CERCLA Hazardous Substance:

Component(s) | Reportable Quantity
--- | ---
None

SARA Title III
SARA Section 302 Extremely Hazardous Substances:

Component(s)/CAS Number | Concentration
--- | ---
None | Min. Max.

SARA Section 311/312 Hazard Categories:

Non-hazardous under Section 311/312

SARA Section 313 Toxic Chemicals:

Component(s)/CAS Number | Reporting Threshold | Concentration
--- | --- | ---
None | Min. Max.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the
product or derived from the product, should be classified as a hazardous waste. (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**State Right-to-Know Information**

<table>
<thead>
<tr>
<th>Component(s)/CAS Number</th>
<th>State Code</th>
<th>Concentration</th>
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<td></td>
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<td>Min.  Max.</td>
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</table>

State Code Translation Table

**Section 16: Other Information**

**HMIS Rating**

<table>
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<tr>
<th>Health</th>
<th>0</th>
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<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
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</tbody>
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0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

RHEIN CHEMIE CORPORATION’s method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by RHEIN CHEMIE CORPORATION as a customer service.

Contact: HES Dept.
Phone: (440) 285-3547
MSDS Number: 00000005943
Version Date: 12/28/2007
MSDS Version: 2.0

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Indicates Relevant Change Made.