



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

**TP-759**

Revision date: 06/07/2009

**Supplier**

Rohm and Haas Company  
100 Independence Mall West  
Philadelphia, PA 19106-2399 United States of America

**For non-emergency information contact:** 215-592-3000

**Emergency telephone number**

Spill Emergency	215-592-3000
Health Emergency	215-592-3000
Chemtrec	800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Component</b>	<b>CAS-No.</b>	<b>Concentration</b>
Glycol ether	Trade Secret	60.0 - 80.0%
Mixed ether ester(s)	Trade Secret	20.0 - 40.0%

## 3. HAZARDS IDENTIFICATION

**Emergency Overview**

**Appearance**

Form	liquid
Colour	amber

**Odour** solvent

<b>Hazard Summary</b>	<b>CAUTION!</b> Direct contact with material can cause the following: slight irritation Material is possibly harmful if swallowed. Inhalation of vapor or mist can cause headache, nausea and irritation of the nose, throat and lungs. The solvent(s) in this material can be absorbed through intact skin.
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**Potential Health Effects**

**Primary Routes of Entry:** Inhalation  
Skin contact  
Eye contact  
Dermal Absorption

**Eyes:**Material can cause the following:  
slight irritation

**Skin:**Prolonged or repeated skin contact can cause the following:  
slight irritation  
The solvent(s) in this material can be absorbed through intact skin.

**Ingestion:**Material is possibly harmful if swallowed.

**Inhalation:**Inhalation of vapor or mist can cause the following:

irritation of nose, throat, and lungs

headache

nausea

vomiting

dizziness

#### 4. FIRST AID MEASURES

**Inhalation:**Move to fresh air.

**Skin contact:**Remove contaminated clothing. Wash off with soap and plenty of water. Wash contaminated clothing before re-use. Do not take clothing home to be laundered. Consult a physician.

**Eye contact:**Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.

**Ingestion:**Drink 1 or 2 glasses of water. Consult a physician. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

#### 5. FIRE-FIGHTING MEASURES

**Flash point** >93 °C (199.40 °F ) SETAFLASH CLOSED CUP

**Lower explosion limit** No data available

**Upper explosion limit** No data available

**Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.

**Specific hazards during fire fighting:**Closed containers may rupture via pressure build-up when exposed to fire or extreme heat. During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition. Dried product can burn.

**Special protective equipment for fire-fighters:**In the event of fire, wear self-contained breathing apparatus.

**Further information:**Move containers promptly out of fire zone. If removal is impossible, cool containers with water spray.

Remain upwind.

Avoid breathing smoke.

#### 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations.

If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

### **Environmental precautions**

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Methods for cleaning up**

Evacuate personnel to safe areas.

Ventilate the area.

Floor may be slippery; use care to avoid falling.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal.

Avoid breathing vapor.

## 7. Handling and storage

### **Handling**

Vapors can be evolved when material is heated during processing operations. See SECTION 8, Exposure Controls/Personal Protection, for types of ventilation required. Wash after handling and shower at end of work period.

### **Storage**

**Storage conditions:**Avoid temperature extremes during storage; ambient temperature preferred. Keep from freezing - product stability may be affected. Store out of direct sunlight in a cool place. Keep containers tightly closed in a cool, well-ventilated place.

### **Further information:**

CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after container is emptied.

Improper disposal or re-use of this container may be dangerous and illegal. Refer to applicable local, state and federal regulations.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure limit(s)**

Exposure limits are listed below, if they exist.

**Eye protection:**Use safety glasses with side shields (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

**Hand protection:**Chemical-resistant gloves should be worn whenever this material is handled. The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): nitrile rubber Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

**Skin and body protection:**Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

**Respiratory protection:**A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required under normal operating conditions. Where vapors and/or mists may occur, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying

respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.

**Protective measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Engineering measures:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Form</b>	liquid
<b>Colour</b>	amber
<b>Odour</b>	solvent
<b>pH</b>	not applicable
<b>Boiling point/range</b>	>150 °C (302.00 °F)
<b>Melting point/range</b>	No data available
<b>Flash point</b>	>93 °C (199.40 °F) SETAFLASH CLOSED CUP
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapour pressure</b>	negligible
<b>Relative vapour density</b>	<0.1
<b>Water solubility</b>	slightly soluble
<b>Relative density</b>	1.03
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Evaporation rate</b>	not applicable
<b>Percent volatility</b>	negligible

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

<b>Hazardous reactions</b>	This material is considered stable.
<b>Materials to avoid</b>	Avoid contact with the following: Strong Oxidizers
<b>Hazardous decomposition products</b>	There are no known hazardous decomposition products for this material.,
<b>polymerization</b>	Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

<b>Acute oral toxicity</b>	LD50rat > 2,000 mg/kg
<b>Acute dermal toxicity</b>	LD50rat > 2,000 mg/kg
<b>Skin irritation</b>	slight irritation
<b>Eye irritation</b>	No eye irritation

## 12. ECOLOGICAL INFORMATION

This product has no known eco-toxicological effects.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:**CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

### **Disposal**

**Waste Classification:**When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

For disposal, incinerate this material at a facility that complies with local, state, and federal regulations.

(See 40 CFR 268)

**Contaminated packaging:**Empty containers should be taken for local recycling or waste disposal.

## 14. TRANSPORT INFORMATION

### **DOT**

Not regulated for transport

### **IMO/IMDG**

Not regulated (Not dangerous for transport)

*Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations*

## 15. REGULATORY INFORMATION

### **Workplace Classification**

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

**SARA TITLE III:Section 311/312 Categorizations (40CFR370):**Acute Health Hazard

### **SARA TITLE III:Section 313 Information (40CFR372)**

This product contains a chemical which is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: (Quantity present is found elsewhere on this MSDS.)

SARA Title III Components: Glycol ether

### **CERCLA Information(40CFR302.4)**

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

**US. Toxic Substances Control Act (TSCA)** All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**Pennsylvania**

Any material listed as "Not Hazardous" in the CAS REG NO. column of SECTION 2, Composition/Information On Ingredients, of this MSDS is a trade secret under the provisions of the Pennsylvania Worker and Community Right-to-Know Act.

16. OTHER INFORMATION

**Hazard Rating**

	<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>
<b>HMIS</b>	1	1	0

**Legend**

ACGIH	American Conference of Governmental Industrial Hygienists
BAC	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit (STEL):
TLV	Threshold Limit Value
TWA	Time Weighted Average (TWA):
	Bar denotes a revision from prior MSDS.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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