



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. PP305  
Effective Date April 14, 1998

## SECTION V HEALTH HAZARD DATA

PP305

**Threshold Limited Value** Environmental exposure level is 10 mg/m<sup>3</sup>. LD50: orl-rat: >30 g/kg. , LD50: skin-rbt: >20 g/kg. RTECS No. TQ3675000

**Effects of Overexposure** **EYES:** May cause slight transient irritation. **SKIN:** May cause severe response if skin is abraded. **INGESTION:** Oral toxicity is low. **INHALATION:** Vapors are unlikely at room temperature due to physical properties. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures** **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with soap and water. **INGESTION:** Treat symptomatically and supportively, get medical attention. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Oxidizing material, concentrated mineral acids.

**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Should not be left on floor - makes it slippery. Soak up with absorbent materials. Scoop into suitable container for proper disposal.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only. Salvage or burn in an approved incinerator in accordance with all federal, state and local requirements.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	No.
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	No.

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
--------------------------	---------	-----------------------	--------------------------

**Other Protective Equipment** Lab coat, apron, eye wash station, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in cool place. Wash thoroughly after handling. Product degrades slowly when stored at elevated temperatures in presence of air. Degradation occurs rapidly at temperatures approaching flash point. Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.

Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> No. 1	<b>Date</b> 4/14/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
-----------------------	---------------------	---------------------------------	---------------------------------------

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	POLYETHYLENE GLYCOL E-400	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4  <b>HMIS *</b>	<b>Health</b>	0
<b>Chemical Synonyms</b>	Polyglycol E-400		<b>Fire</b>	0
<b>Formula</b>	H(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>x</sub> OH		<b>Reactivity</b>	0
<b>Unit Size</b>	up to 180 Kg.			
<b>C.A.S. No.</b>	25322-68-3			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Polyethylene Glycol	>99%	See Section V.

USE IN KEEPING WITH GOOD LABORATORY PRACTICES.

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	4°-8°C (39°-46°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.12 @ 25/25°C
<b>Boiling Point (°F)</b>	Decomposes.	<b>Percent Volatile by Volume (%)</b>	Not applicable.
<b>Vapor Pressure (mm Hg)</b>	Low.	<b>Evaporation Rate (----- =1)</b>	Not applicable.
<b>Vapor Density (Air=1)</b>	Not applicable.		
<b>Solubility in Water</b>	Completely miscible.		
<b>Appearance &amp; Odor</b>	Clear colorless liquid; characteristic odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	>232°C (>450°F) PMCC	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
				-----	-----

**Extinguisher Media** Water fog; alcohol foam; dry chemical.

### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSHA/MSHA approved positive pressure, self-contained breathing apparatus.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Information not available.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20