

# Material Safety Data Sheet

91-155/EEC

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## Section 1: Chemical Product and Company Identification

Cat#: 01795

Part Name: 1 4-BUTANEDIOL DIGLYCIDYL ETHER

Supplier: Polysciences, Inc.  
400 Valley Road  
Warrington, PA 18976 USA  
Telephone #011-215-343-6484

## Section 2: Composition/ Information on Ingredients

Note: Items listed with a CASRN... number have no CAS# available.

Item#	Name	CAS#	% in product
1	Oxirane, 2,2'-[1,4-butanediylbis(oxyethylene)]bis-	0002425798	100

## Section 3: Hazards Identification

May be irritant if absorbed through skin

May be irritant if swallowed

May cause allergic skin reaction.

May cause skin and eye irritation.

Hazard Ratings:

These ratings are Polysciences' Inc. own assesments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
2	1	0

## Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, wash out mouth with water if person is conscious.

Remove contaminated clothing.

Remove to fresh air.

Separate eyelids with finger tips.

Wash skin with deluge of water for at least 15 minutes.

## Section 5: Fire Fighting Measures

Flash point, deg F.: 284F Method: CC

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability Classification: no data Flame Propagation Rate: no data

Hazardous Combustion Products: oxides of carbon

## Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Use appropriate personal protective equipment.

## Section 7: Handling and Storage

Store at room temp

Store in a tightly closed container.

## Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Use process enclosures, local exhaust ventilation, or other engineering controls.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. 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. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

### Section 9: Physical and Chemical Properties

Formula:	C10H18O4	vapor pressure:	< 0.002 mm Hg
Formula Weight:	202.28	vapor density:	no data
boiling point:	no data	Specific gravity:	0
melting point:	no data	ph:	7
solubility:	no data	appearance:	clear liquid faint pleasant odor

### Section 10: Stability and Reactivity

Chemical Stability: stable  
Conditions to Avoid: high temperatures  
Incompatibility with other materials: oxidizing agents, acids, alkalises  
Hazardous Decomposition Products: oxides of carbon  
Hazardous Polymerization: will not occur

### Section 11: Toxicological Information

Acute Data: LD50 Oral, rat: 500-5000 mg/kg; LD50 Dermal (rabbit) - 1000-2000 mg/kg  
LD50 Dermal, rabbit: 1100 mg/kg  
LC50 Inhalation, rats: >11.3 mg/l  
Subchronic data: Sensitizer

### Section 12: Ecological Information

96 hour LC50: 24 mg/l (Zebrafish)

### Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
0002425798	not listed	not listed

### Section 14: Transportation Data

Proper Shipping Name: NOT REGULATED  
Chemical Name:  
UN:  
Class:  
PG:

### Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

R43	May cause sensitization by skin contact.
S0	No S Phrase applies. Use ambient temperature storage and normal chemical controls.
S7	Keep container tightly closed.
S7/9	Keep container tightly closed and in a well-ventilated place.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

### GHS Precautionary and Hazard Statements

DANGER

WARNING

P281	Use personal protective equipment as required.
P380	Evacuate area.

P390 Absorb spillage to prevent material damage.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P280A Wear protective gloves  
P285 In case of inadequate ventilation wear respiratory protection.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
P301A IF SWALLOWED do not induce vomiting. Do not give anything to drink. Obtain medical attention without delay.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305B IF IN EYES, Separate eyelids with finger tips.  
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P351 Rinse cautiously with water for several minutes.  
P361 Remove/Take off immediately all contaminated clothing.



General.bmp



Toxic.bmp

#### Section 16: Other Information

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