

MATERIAL SAFETY DATA SHEET

Propylene Glycol Mixture
CBS

Revised: 29/03/01
Replaces: 29/03/01
Printed: 22/07/02

1. PRODUCT DESCRIPTION

Product Name: Propylene Glycol Mixture
Product Code(s): various
Size: various
Chemical Name: mixture
CAS Number: N/A
Formula: mixture
Synonyms: Biosmount Solution
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Propylene Glycol, (CAS# 57-55-6) 20%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Caution! Low hazard. Non-toxic material
Potential Health Effects:
Eyes: May cause irritation.
Skin: May cause irritation.
Ingestion: May cause gastrointestinal discomfort.
Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.
Ingestion - If swallowed, if conscious, give plenty of water. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Based on 100% Propylene Glycol:
Flash Point (Method Used): 107C(255F) coc
NFPA Rating: Health: 0
Fire: 1
Reactivity: 0

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Based on 100% Propylene Glycol:

Flammable Limits in Air % by Volume: LEL: 2.6; UEL: 12.60

Autoignition Temperature:

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards:

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Fire hazard: Moderate when exposed to heat or flame; fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

Explosion hazard: Moderate, when exposed to flame.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition.

Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store in a cool, dry place away from strong oxidizers.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust:	Yes
Mechanical (General):	Yes
Special:	No
Other:	No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight:	N/A
Melting Point:	N/A
Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Specific Gravity (H ₂ O=1):	N/A
Percent Volatile by Volume:	100%
Evaporation Rate (H ₂ O=1):	N/A
Solubility in Water:	Complete
Appearance and Odor:	Clear, water white, oily liquid; mild odor.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Excessive temperature and heat.

Incompatibility (Materials to Avoid): Strong oxidizers

Hazardous Decomposition Products: Combustion will produce smoke, carbon dioxide and/or carbon monoxide.

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data:

Based on 100% Propylene Glycol orl-chd TDLo: 79 gm/kg/56W-I;

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orl-rat LD50: 20 gm/kg

Effects of Overexposure: Lethal dose for a 100 pound person may get greater than a quart. May cause irritation contact to eye, skin and vapors or mists cause no adverse effect.

Acute: See section 3

Chronic: Material is not listed (IARC, NTP, OSHA) as cancer causing agent.

Conditions Aggravated by Overexposure: Irritating on contact with skin, eyes or mucous membranes.

Target Organs: Skin, eyes, respiratory tract

Primary Route(s) of Entry: Inhalation, ingestion, eyes, skin

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated

15. REGULATORY INFORMATION

EPA TSCA Status: TSCA inventory, Yes

Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name List	Chemical Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
Propylene Glycol	No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists

CAS Number..Chemical Services Abstract Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

N/A.....Not Available

NTP.....National Toxicology Program



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OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act