

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Propylene Glycol
Manufacture/Supplier: Midbrook, Inc.
Address: 2080 Brooklyn Road
 Jackson, MI 49203
 United States of America
Phone Numbers: Phone - 517-787-3481
 Fax -517-787-2349
Emergency Phone Numbers: USA Chemtrec 800-424-9300
 International Chemtrec 703-527-3887
Date: 10/11/2010

2. COMPOSITION/HAZARDOUS INFORMATION

| INGREDIENT | WT% | TLV/PEL* | CAS# |
|------------------|-----|----------|---------|
| Propylene Glycol | 100 | | 57-55-6 |

3. HAZARD IDENTIFICATION

Primary Routes of Entry

Skin: Tests on similar materials indicate it may cause mild, transient skin irritation with short-term exposure.
Eyes: Tests on similar materials suggests that minimal irritation may occur on contact.
Ingestion: Tests on similar material indicate no significant adverse effects expected. Practically non-toxic.
Inhalation: Tests on similar materials indicate no acute effects are expected.

4. FIRST AID MEASURES

First Aid – Eye Wash out eye with plenty of water for at least 15 minutes. Obtain medical attention if soreness or redness persists.
First Aid – Skin Remove product soaked clothing. Wash skin with soap and water. Launder soaked clothing before reuse. If skin irritation or rash develops obtain medical assistance.
First Aid – Ingestion First aid is not normally required. Obtain medical attention if symptoms persist.
First Aid – Inhalation Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

5. FIRE FIGHTING MEASURES

Flammable properties: Flash Point: **211°F (ASTM D-56)**
 Flammable limits in air: **Lower 2.6 Upper 12.6**
 Auto ignition temperature: **700°F**
Extinguishing Media Use dry chemical, “alcohol” foam, Carbon Dioxide or Halon.
Special fire fighting measure: Procedures for an oil fire should be followed. Use self-contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool.

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions | Material can create slippery conditions underfoot. |
| Spillages | Transfer into suitable containers for recovery or disposal. |

7. HANDLING AND STORAGE

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|-----------------------|---|
| Handling | Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors. |
| Storage | Storage temperature should be controlled to between 1 and 40°C. |
| Work Practices | Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves. |

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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|-------------------------------------|---|
| Engineering Control Measures | Use adequate ventilation. |
| Hand protection | Use a good quality barrier cream or gloves. |
| Eye Protection | Glasses or goggles. Have eye wash available. |
| Body Protection | May include long sleeve outer garment, apron or lab coat. Never wear oil soaked clothing. |
| Respiratory Protection | Not required if adequate ventilation. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------------------|----------------------|
| Physical State | Clear Viscous Liquid |
| Color | Water/White |
| Odor | Slight/Ordorless |
| Boiling Point | 365-374°F |
| Vapor Pressure | .220 mm Hg @ 68° F |
| % Volatile by Volume | 100% |
| Vapor Density(air=1) | 2.60 @ air=1 |
| Reactivity in Water | Non-reactive |
| Solubility in Water | Soluble |
| Evaporation Rate (water=1) | <.01 |
| Specific Gravity | 1.037 |

10. STABILITY AND REACTIVITY

| | |
|---------------------------------|---|
| Stability | Stable under normal conditions. |
| Conditions to Avoid | Sources of ignition. |
| Materials to Avoid | Strong oxidizing agents or reducing agents. |
| Decomposition Products | Oxides of Carbon, Organic compounds |
| Hazardous Polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------------|---|
| Acute Toxicity | Low order of acute toxicity. |
| Eye Effects | Minimal irritation on contact. |
| Skin Effects | Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeat contact. |
| Acute Oral Effects | Low order of acute oral toxicity. |
| Acute Inhalation Effects | Low acute toxicity expected on inhalation. |

This product is not listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by I.A.R.C. monographs or by OSHA.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL

| | |
|---------------------------|--|
| Product Disposal | Dispose of in accordance with all applicable local and national regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Product may be amenable to sewer depending on local codes; if not permitted use a certified disposal service. |
| Container Disposal | No specific measures necessary. |

14. TRANSPORTATION INFORMATION

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|------------------------------|-------------------------|
| Shipping Name | Detergents, Soaps. |
| Shipping Class | 55 |
| D.O.T. Identification | N/A |
| D.O.T. Shipping Label | Not regulated by D.O.T. |

15. REGULATORY INFORMATION

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

| | |
|------------------------------------|-----------|
| Acute Health Effects: | Immediate |
| Chronic Health Effects: | Delayed |
| Fire Hazard: | Slight |
| Sudden Release of Pressure Hazard: | No |
| Reactivity Hazard: | No |

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: Not controlled.

16. OTHER INFORMATION

NFPA Hazard Rating:

| | | |
|---------------|---|------------|
| Health: | 0 | Negligible |
| Flammability: | 1 | Slight |
| Reactivity: | 0 | Negligible |

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

Disclaimer of Express or Implied Warranties

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