

PROFLEX™ PRODUCTS, INC.

MATERIAL SAFETY DATA SHEET

MS225

1 MATERIAL IDENTIFICATION AND USE

- MANUFACTURED FOR: PROFLEX™ PRODUCTS, INC.
- TELEPHONE INFORMATION: 877-577-6353
- EFFECTIVE DATE: MAY 1, 2010
- CHEMICAL FORMULA: PROPRIETARY
- MATERIAL USE: MOISTURE VAPOR REDUCER

2 COMPOSITION OF INGREDIENTS

HAZARDOUS COMPONENT	CAS#	OSHA-PEL	ACGIH-TLV	% WT
Dipropylene Glycol	29911-28-2	100PPM	100PPM	2.5
n-Butyl Ether				

ACGIH = AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
NE = NOT ESTABLISHED
N/A = NOT APPLICABLE
OSHA = OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL = PERMISSIBLE EXPOSURE LIMIT
TLV = THRESHOLD LIMIT VALUE

3 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR	HAZY, WHITE LIQUID
VAPOR PRESSURE (mm Hg)	17
BOILING POINT	212°F
EVAPORATION RATE (BUTYL ACETATE = 1) @ 77°F	< 1 WATER
MELTING POINT	N/A
VAPOR DENSITY (AIR = 1)	< 1 WATER
SOLUBILITY IN WATER	DILUTABLE
PERCENT VOLATILITY (VO1)	60%-65% WATER
SPECIFIC GRAVITY (WATER = 1)	1.03
FLASH POINT (COC)	NE (SEE SECTION 4)

4 FIRE AND EXPLOSION DATA

- FLASH POINT: NONE.
- EXTINGUISHING MEDIA: CARBON DIOXIDE (CO₂), FOAM, OR WATER SPRAY.
- FIREFIGHTING INSTRUCTIONS: MINIMIZE BREATHING VAPORS, GASES, OR FUMES OF DECOMPOSITION. DO NOT ENTER ANY CLOSED OR CONFINED FIRE SPACE WITHOUT PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS.
- UNUSUAL FIRE HAZARDS: MATERIAL MAY FOAM IF HEATED ABOVE 212°F.
- POTENTIAL PRODUCTS OF COMBUSTION: CARBON DIOXIDE (CO₂), CARBON MONOXIDE (CO), NITROGEN OXIDE (NO), SMOKE, AND FUMES.

5 HEALTH HAZARD DATA

- PRIMARY ROUTES OF ENTRY: LIQUID MAY BE IRRITATING TO EYES, SKIN, AND RESPIRATORY SYSTEM.
- EMERGENCY FIRST-AID PROCEDURES:
 1. EYE CONTACT: FLUSH EYES WITH WATER FOR 15 MINUTES.
 2. SKIN CONTACT: WASH WITH SOAP AND WATER.
 3. INHALATION: IF RESPIRATORY DISCOMFORT OCCURS, LEAVE EXPOSURE AREA AND BREATHE FRESH AIR.
 4. INGESTION: DO NOT INDUCE VOMITING; SEEK IMMEDIATE MEDICAL ATTENTION.

IF ANY OF THE ABOVE CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

6 REACTIVITY AND DATA

- STABILITY: STABLE.
- CONDITIONS TO AVOID: AUTOIGNITION TEMPERATURE UNKNOWN.
- INCOMPATIBILITY: MAY REACT WITH STRONG OXIDIZING MATERIALS.
- HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: CARBON DIOXIDE (CO₂), CARBON MONOXIDE (CO), NITROGEN OXIDE (NO), SMOKE, AND FUMES.
- HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

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7. PRECAUTIONS FOR SAFE HANDLING AND USE

- LEAK AND SPILL PROCEDURES: DIKE OR CONTAIN SPILL WITH EARTH, FLOOR DRY, SAND, ETC. VENTILATE AREA. ABSORB SPILL WITH SUITABLE ABSORBENT MATERIAL AND PLACE IN A CLOSED CONTAINER.
- FOLLOW ALL FEDERAL, STATE, AND LOCAL REGULATIONS FOR DISPOSAL.
- KEEP PRODUCT OUT OF SEWERS AND WATERWAYS BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED SEWERS OR WATERWAYS.
- DO NOT ALLOW PRODUCT TO FREEZE.
- DO NOT ALLOW PRODUCT TO HEAT ABOVE 212°F.

8. SPECIAL PROTECTION INFORMATION

- RESPIRATORY PROTECTION: USE SUPPLIED AIR AND LOCAL EXHAUST SYSTEMS IN CONFINED AREAS OR IN AREAS WITH HIGH VAPOR CONCENTRATION. AVOID PROLONGED EXPOSURE TO HEATED VAPORS AND SPRAY MISTS. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MOVE TO OTHER AREAS VIA VENTILATION SYSTEMS. PREVENT SPREAD OF FUMES BY CLOSING OFF AIR INTAKE SOURCES
- SKIN PROTECTION: USE PROTECTIVE GLOVES. AVOID PROLONGED OR REPEATED SKIN CONTACT WITH LIQUID.
- EYE PROTECTION: USE SAFETY GLASSES OR FACE SHIELD DESIGNED FOR PROTECTION FROM LIQUIDS.
- OTHER PROTECTIVE EQUIPMENT: WEAR LONG SLEEVES AND OTHER APPROPRIATE CLOTHING TO PROTECT AGAINST SPLASHING MATERIAL.

9. TRANSPORTATION INFORMATION

- THE DESCRIPTION SHOWN MAY NOT APPLY TO ALL SITUATIONS. CONSULT 49CFR OR APPROPRIATE REGULATIONS.

10. TOXICOLOGIC INFORMATION

Dipropylene Glycol n-Butyl Ether (DPGnBE): Oral LD50 (male rat) - 4.4 g/kg; (female rat) - 3.7 g/kg. Skin LD50 (rats) > 2 g/kg; (male rabbits) - 6.49 g/kg; (female rabbits) - 5.33 g/kg.
Inhalation LC50 (rats) > 2.04 mg/l/4 hrs.
In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.
DPGnBE has a very low order of toxicity. It may cause minor irritation to the eyes with reversible effects. It is not listed as a carcinogen by IARC, NTP, or OSHA

11. ECOLOGIC INFORMATION

- EPA CLASSIFICATION CODE:
ACUTE HAZARD ___ CHRONIC HAZARD ___ FIRE HAZARD ___ PRESSURE HAZARD ___ REACTIVE HAZARD ___ NOT APPLICABLE_X_

12. REGULATORY INFORMATION

- EPA CLASSIFICATION CODE: NOT APPLICABLE
- TOSCA, CANADIEN DSL: NOT HAZARDOUS

24-HOUR
CHEMICAL EMERGENCY RESPONSE NUMBER
1-800-424-9300

END OF SECTION

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