

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 1054

HMIS CODES: H F R P  
1 2 0 E

=====SECTION I

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REASON REVISED: UPDATE

=====SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY

HAZARDOUS COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ Temp	WEIGHT %
	CAS#	OSHA-PEL	ACGIH-TLV MFR-TLV		
DIPROPYLENE GLYCOL METHYL ETHER	034590-948	100ppm		0.6	80F 100

=====SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 300 Deg F  
Evaporation Rate: N/A  
Solubility in Water: COMPLETE  
Appearance & odor: TRANSPARENT  
Coating V. O. C.: 7.98 LB/GL ( 956 GR/LT)

Specific Gravity (H2O=1): 1.0  
Vapor Density (Air = 1) HEAVIER THAN AIR

=====SECTION 4 – FIRE & EXPLOSION DATA

Flash Point: 175  
Method Used:  
Flammable Limits in Air % by Volume- LEL- 1.1% UEL- 14.0%  
Extinguisher Media: ALCOHOL FOAM, CO2, DRY CHEMICAL

Special Fire:  
Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire & Explosion Hazards: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUMS (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) AN IGNITE EXPLOSIVELY.

===== **SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)**

**Stability:** STABLE  
**Conditions to Avoid** AVOID ANY OF THE TOP HAZARDS.

**Incompatibility (Materials to Avoid):**  
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

**Hazardous Decomposition or Byproducts:**  
MAY FORM: CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.

**Hazardous Polymerization:**  
WILL NOT OCCUR

===== **SECTION 6 – HEALTH HAZARD**

**Acute/Chronic:** PROLONGED EXPOSURE MIGHT CAUSE SLIGHT TOXICITY

**Signs & Symptoms of Exposure:** BREATHING OF VAPOR OR MIST IS POSSIBLE. BREATHING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SYMPTOMS: STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA)

**Skin & Eye Contact & Symptoms:** UNLIKELY TO CAUSE SKIN IRRITATION OR INJURY. MAY CAUSE MILD IRRITATION SYMPTOMS INCLUDE STINGING, TEARING AND REDNESS.

**Skin Absorption Risk & Symptoms of Exposure:** MATERIAL PASSAGE THROUGH THE SKIN IRRITATION TO THE DIZZINESS, DROWSINESS WEAKNESS, FATIGUE, NAUSEA, HEADACHE UNCONSCIOUSNESS, CONFUSION, NARCOSIS DAZED OR SLUGGISH FEELING.

**Ingestion Risk & Symptoms of Exposure:** SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

**CARCINOGENICITY:** NTP? *NO*. **IARC MONOGRAPHS?** *NO*. **OSHA?** *NO*.  
THIS MATERIAL IS NOT LISTED AS CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.

**Emergency & First Aid Procedures:**

- 1. Eye Contact:** IMMEDIATELY FLUSH EYES W/RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING THE EYELIDS OPEN. IF IRRITATION PERSISTS, CALL A PHYSICIAN.
- 2. Skin Contact:** WASH SKIN THOROUGHLY W/MILD SOAP & WATER. LAUNDER CONTAMINATED CLOTHING IF IRRITATION PERSISTS, CALL A DOCTOR
- 3. Inhalation:** IF THERE ARE ACUTE OR CHRONIC SYMPTOMS, MOVE PERSON TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION, SEEK MEDICAL CARE.

===== **SECTION 7 – SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES**

**Precautions to be taken:** STORE & USE IN A WELL-VENTILATED AREA.

**In Handling & Storage:** DOES NOT USE NEAR OPEN FLAME, SPARKS OR HOT SURFACES KEEP CONTAINERS TIGHTLY CLOSED.

**In case Material is Released or Spilled:** ABSORB SMALL SPILLS ON VERMICULITE, FLOOR ABSORBENT OR OTHER SUITABLE MATERIALS.

**Waste Disposal Methods:** FLOCCULATE LIQUID WAST. DISPOSE OF RESIDUES OBSERVING LOCAL, STATE, & FEDERAL HEALTH, SAFETY & POLLUTION LAWS.

===== **SECTION 8 – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

**Respiratory Protection:** WEAR APPROVED NIOSH RESPIRATORY PROTECTIVE EQUIPMENT IN AREAS OF INSUFFICIENT VENTILATION.

**Ventilation:** PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)

**Protective Gloves:** WEAR RESISTANT GLOVES TO PREVENT REPEATED OR PROLONG SKIN CONTACT USE IMPERVIOUS CLOTHING AND BOOTS

**Eye Protection:** USE CHEMICAL SAFETY GOGGLES.

**Other Protective**

**Clothing or Equipment:** EYEWASH FOUNTAIN, SAFETY SHOWERS ARE RECOMMENDED  
**Work/Hygienic**

**Practices:** AFTER USE, WASH HANDS THOROUGHLY W/SOAP AND WATER, ESPECIALLY BEFORE DRINKING, EATING, OR SMOKING. LAUNDER CLOTHING.

===== **SECTION 10 – DISCLAIMER**

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