

SAFETY DATA SHEET



Date Issued : 8/11/2008
MSDS No : SDPM
Date-Revised : 9/16/2014
Revision No : 4

SOLVENT DPM

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SOLVENT DPM
PRODUCT DESCRIPTION: Dipropylene Glycol Methyl Ether
PRODUCT CODE: SDPM

MANUFACTURER

Distributed by Tarr, LLC
P.O. Box 12570
Portland, OR 97212
Product Stewardship: 503-288-5294

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Combustible Liquid

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H227: Combustible liquid and Vapor.
H305: May be harmful if swallowed and enters airways.

PRECAUTIONARY STATEMENT(S)

Prevention:

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P262: Do not get in eyes, on skin, or on clothing.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, water-white liquid.

IMMEDIATE CONCERNS: CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE IRRITATION TO EYES AND RESPIRATORY TRACT. MAY AFFECT CENTRAL NERVOUS SYSTEM.

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POTENTIAL HEALTH EFFECTS

EYES: Material may cause slight transient (temporary) eye irritation. Direct contact with the liquid or exposure to its vapors or mists may cause stinging, tearing, redness. Corneal injury is unlikely.

SKIN: Prolonged exposure not likely to cause significant skin irritation.

INGESTION: Large oral doses may cause irritation to the gastrointestinal tract. Not expected to be a health hazard via ingestion.

INHALATION: Inhalation of vapors may irritate the respiratory tract. High concentrations may affect the central nervous system. Symptoms may include headache, dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	Wt. %
Dipropylene glycol methyl ether	34590-94-8	60 - 100

See Section 8 for Exposure Limits

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

SKIN: Flush skin with water. If irritation occurs, get medical attention.

INGESTION: Induce vomiting if large amounts are ingested. Consult a physician. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Itching, burning or redness of the eyes.

SKIN: Itching, burning or redness of the skin.

COMMENTS: The LD50 for skin absorption in rabbits is greater than 20 ml/kg. Prolonged skin contact with very large amounts may cause drowsiness. **SYSTEMIC (OTHER TARGET ORGAN) EFFECTS:** Observations in animals include minor liver or kidney effects. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects. **TERATOLOGY (BIRTH DEFECTS):** Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. **MUTAGENICITY (EFFECTS ON GENETIC MATERIAL):** Results of in vitro ("test tube") mutagenicity tests have been negative.

5. FIRE FIGHTING MEASURES

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EXTINGUISHING MEDIA: Use water fog, "alcohol" foam, dry chemical, or CO₂. For large scale fires, alcohol resistant foams are preferred if available. General purpose synthetic foams or protein foams may function, but much less effectively.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

EXPLOSION HAZARDS: When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

FIRE FIGHTING EQUIPMENT: The use of SCBA and full protective equipment is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame. When using water spray, boil over may occur when the product temperature reaches the boiling point of water (tank type scenarios, not spills). Water may be used to flush spills away from fire exposures and to dilute spills to non-flammable mixtures. Contain fire run off water.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Remove all sources of ignition and provide ventilation. Wear protective equipment as given in Section 8. Dike around large spills to prevent spreading. Absorb small spills with inert material (clay, sand). Prevent contamination of surface waters.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from heat, sparks, and flame. Surfaces that are hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

COMMENTS: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

HAZARDOUS COMPONENTS							
			EXPOSURE LIMITS				
			OSHA PEL		ACGIH TLV		
Chemical Name			ppm	mg/m ³	ppm	mg/m ³	
Dipropylene glycol methyl ether			TWA	100	600	100	606
			STEL			150	909

ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use safety glasses. Where contact with this material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.

SKIN: Use impervious gloves when prolonged or frequently repeated contact could occur.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Sec.8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134, when airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

PROTECTIVE CLOTHING: Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: Avoid prolonged or repeated breathing of vapors.

COMMENTS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild odor.

APPEARANCE: Colorless liquid.

COLOR: Water-white.

FLASHPOINT AND METHOD: (175°F) TAG CC

FLAMMABLE LIMITS: 1.1 %Vol to 14.0 %Vol

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VAPOR PRESSURE: 0.55 mm Hg @ deg C (77 deg F)

VAPOR DENSITY: Heavier than air.

BOILING POINT: (363°F)

SOLUBILITY IN WATER: Infinite

EVAPORATION RATE: 0.02 (n-Butyl Acetate=1)

DENSITY: 7.91

SPECIFIC GRAVITY: 0.95 @ 20 deg C

(VOC): 7.910 LBS./gal.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Avoid heat, flame, and other sources of ignition.

POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS: Reactive with oxidizing agents.

11. TOXICOLOGICAL INFORMATION

COMMENTS: See comments, Section 4.

12. ECOLOGICAL INFORMATION

GENERAL COMMENTS: Avoid uncontrolled releases of this material. Keep out of sewers, storm drains, surface waters and soil. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible Liquid, N.O.S.

TECHNICAL NAME: (Dipropylene Glycol Methyl Ether Isomers)

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PRIMARY HAZARD CLASS/DIVISION: Combustible liquid

UN/NA NUMBER: 1993

NAERG: 128

OTHER SHIPPING INFORMATION: Not DOT regulated in non bulk containers less than 119 gallons.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

Combustible Liquid, N.O.S.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product should be reported as a delayed (chronic) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product is listed on the EPA/TSCA inventory of chemical substance.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Combustible
Liquid

R21/22: Harmful in contact with skin and if swallowed.

GENERAL COMMENTS: This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the

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Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: Korea (TCCL), Australia (AICS), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

COMMENTS No specific antidote. Supportive care. Treatment on judgement of the physician in response to reactions of the patient.

16. OTHER INFORMATION

REASON FOR ISSUE: Updated information and issued a new revision date.

APPROVED BY: Compliance

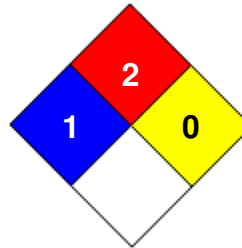
PREPARED BY: Compliance

REVISION SUMMARY: This MSDS replaces the 5/22/2013 MSDS. Revised: **Section 2:** . **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) (TECHNICAL NAME, PRIMARY HAZARD CLASS/DIVISION, UN/NA NUMBER, OTHER SHIPPING INFORMATION).

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	2
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



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