



MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone
 Domestic North America (800) 424-9300
 International (800) 527-3887

This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)

1. Product and Supplier Identification

Product Name: Solvent DPM Gun Cleaner
Product Number: 20330013
Date of Prep: 02/02/2008
Product Type: Solvent DPM
Supplier: Fiberlay Inc.
 24 S. Idaho S.
 Seattle, Wa 98134
 (206)782-0660

2. Composition/Information On Ingredients

Chemical Name	Wt.%	CAS
Dipropylene glycol methyl ether	100	034590-94-8

3. Hazards Identification

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, water-white liquid.

IMMEDIATE CONCERNS: CAUTION! COMBUSTIBLE LIQUID AND VAPOR. Harmful or fatal if swallowed. Can enter lungs and cause damage. May cause eye and skin irritation or injury.

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: Single dose oral toxicity is low. The oral LD50 for rats is 5.4 ml/kg. Small amounts swallowed incidental to normal handling operations are not likely to cause injury, swallowing larger amounts may cause injury.

INHALATION: Signs and symptoms of excessive exposure may be anesthetic or narcotic effects.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Itching, burning or redness of the eyes.

SKIN: Itching, burning or redness of the skin.

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.

ADDITIONAL INFORMATION: Preexisting skin and eye conditions may be aggravated by exposure to this product.

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

FLASHPOINT AND METHOD: (175°F) TAG CC

FLAMMABLE LIMITS: 0.011 to 0.14

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 nonflammable 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.

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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

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

		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

Odor:	Mild Odor	Flashpoint and Method:	(175°F) TAG CC
Appearance:	Colorless Liquid	Solubility in Water:	Infinite
Color:	Clear	Evaporation Rate:	Slower than ether
Vapor Pressure:	0.55	Density:	7.91
Vapor Density:	Heavier than Air	Specific Gravity:	0.951
Boiling Point:	(363°F)	(VOC):	7.910 lbs./gal.

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10. Stability and Reactivity

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

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

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 deg. F.

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

INCOMPATIBLE MATERIALS: None known.

11. Toxicological Information

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 monomethyl ether)

PRIMARY HAZARD CLASS/DIVISION: Combustible liquid

UN/NA NUMBER: NA1993

PACKING GROUP: III

NAERG: 128

15. Regulatory Information

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

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

CHRONIC: Yes

313 REPORTABLE INGREDIENTS: May be reportable under glycol ethers.

302/304 EMERGENCY PLANNING

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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.

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

16. Other Information

PREPARED BY: Compliance Dept.

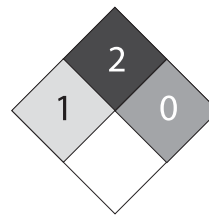
REVISION SUMMARY: Revision #: 1. This MSDS replaces the August 12, 2008 MSDS.

Any changes in information are as follows: In Section 16: Manufacturer Disclaimer

HMIS RATING

HEALTH:	1
FLAMMABILITY:	2
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	B

NFPA CODES



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