



Material Safety Data Sheet

Monopole, Inc.

Product Name: PERMASHIELD DTM

Issue Date: December 2007

Monopole Inc. encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

SECTION 1: Product and Company Identification

Product Name: PERMASHIELD DTM

Product Code: 6900, 6950

COMPANY IDENTIFICATION

Monopole, Inc.
4661 Alger Street
Los Angeles, CA 90039
Tel: (818) 500-8585
Fax: (818) 502-0818

EMERGENCY TELEPHONE NUMBERS:

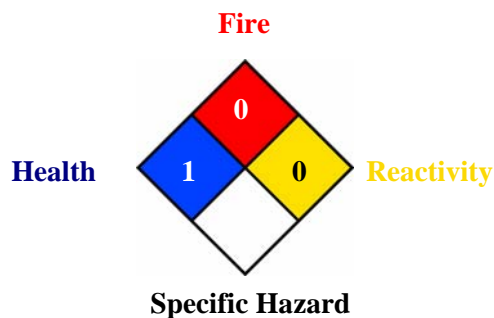
Health emergency : (818) 500 - 8585
Poison center..... : (818) 356 - 3129
Chemtrec..... : (800) 424 - 9300

SECTION 2: Hazards Identification

NFPA HAZARD RATING SYSTEM

EMERGENCY OVERVIEW

Color: Opaque
Physical State: Liquid
Odor: Slight



POTENTIAL HEALTH EFFECTS

Inhalation: Inhalation of vapor or mist can cause irritation of nose, throat, and lungs, headache, or nausea.

Skin Contact: Prolonged or repeated skin contact can cause slight irritation.

Eye Contact: Direct eye contact can cause slight irritation.

SECTION 3: Hazardous Ingredients

**Only toxic chemicals or hazardous compounds are subject to the reporting requirements*

Hazardous Components	% (by weight)	CAS#	OSHA (PEL)	ACGIH (TWA)
There are no hazardous chemical subject to the reporting requirements.				

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

SECTION 4: First Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash with water and soap as a precaution. If skin irritation persists, call a physician.

Eye Contact: Flush eyes thoroughly with water for 20 minutes. If eye irritation persists, consult a specialist.

Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

SECTION 5: Fire Fighting Measures

FLASH POINT: Noncombustible

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME: **LOWER (LEL):** N/A **UPPER (UEL):** N/A

THERMAL DECOMPOSITION: Thermal decomposition may yield acrylic monomers.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

SPECIAL HAZARDS DURING FIRE FIGHTING: Material can splatter above 100°C/212°F. Dried product can burn.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Wear self-contained breather apparatus and protective suit.

SECTION 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spills immediately with inert materials (e.g., sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

PERSONAL PRECAUTIONS: Use personal protective equipment. Keep people away from and upwind of spill or leak. Material can create slippery conditions.

ENVIRONMENTAL PRECAUTIONS: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7: Handling and Storage

HANDELING

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

STORAGE

Store temperatures: 34°F - 120°F

Keep from freezing – product stability may be affect. Stir well before use.

SECTION 8: Exposure Controls and Personal Protection

EXPOSURE LIMITS are listed below, if they exist.

Hazardous Components	Regulation	Type of listing	Value
No hazardous component subject to the reporting requirements.	OSHA ACGIH	PEL TWA	Not Established

PERSONAL PROTECTION

Eye Protection: Wear safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed.

Hand Protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

Respirator Protection: A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air-purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 and P95 filters.

Protective Measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Engineering Measures: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

SECTION 9: Physical and Chemical Properties

Appearance and Odor: Opaque liquid, slight ammonia

pH: 8.5 – 9.5

Boiling Point: 100°C (212°F) Water

Flash Point: Noncombustible

Flammable Limits: LEL: Not Applicable UEL: Not Applicable

Vapor Pressure/Density (Air=1): 17 mm Hg @ 20°C (68°F) Water

Specific Gravity (H20=1): 1.06

Water Solubility: Complete

Viscosity: 80-90 ku

Evaporation Rate: <1 Water

VOC: < 100 g/l

SECTION 10: Stability and Reactivity

Hazardous reactions: None known

Stable

Materials to Avoid (Incompatibility): There are no known materials which are incompatible with this product.

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

SECTION 11: Toxicological Information

There is no data available for this material.

SECTION 12: Ecological Information

There is no data available on the adverse effects of this material on the environment.

SECTION 13: Disposal Considerations

Environmental Precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Waste Classification: When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

Waste Disposal Method: Dispose of in accordance with Local, State, and Federal Regulations. Regulations may vary in different locations. DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

MONOPOLE, INC. HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 3: HAZARDOUS INGREDIENTS.

SECTION 14: Regulatory Information

DOT PROPER SHIPPING NAME: Not regulated.

IATA PROPER SHIPPING NAME: Not Regulated.

IMO PROPER SHIPPING NAME: Not regulated (Not dangerous for transport).

STATE REGULATIONS: CALIFORNIA - None.

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

TOXIC SUBSTANCE CONTROL ACT: All chemicals comprising this product are listed on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986): There are no chemical present known to the state of California to cause cancer or reproductive toxicity.

WORKPLACE CLASSIFICATION: This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR1910.1200). This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

HAZARD RATING SYSTEM

NFPA	Toxicity	Fire	Reactivity	Health
	0	0	0	1

USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions, in addition to those described herein, are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER: To the best of our knowledge, the information contained herein is accurate, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability or completeness of the information. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Monopole Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.