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Every step of the way

# Perma-Spray 2000

## Material Safety Data Sheet

### MSDS MS-SPRAY-2000

#### SPRAY ADHESIVE

**PREPARED:** May 10, 2010  
**DOCUMENT NUMBER:** MS-SPRAY-2000  
**REPLACE DOCUMENT:** All others  
**VERSION:** 001  
**PAGES:** 5

**Mats Inc.**  
**37 Shuman Ave.**  
**Stoughton, MA 02072**  
**www.matsinc.com**

**CHEMTREC EMERGENCY NUMBER**  
**1-800-424-9300**

### 1. PRODUCT IDENTIFICATION

**TRADE NAME (AS LABELED):** SKU # MS-SPRAY-2000  
**PRODUCT USE:** Aerosol water based adhesive  
**SUPPLIER/MANUFACTURER'S NAME:** Mats, Inc.  
**ADDRESS:** 37 Shuman Ave., Stoughton, MA 02072  
**CHEMTREC EMERGENCY NO.:** 1-800-424-9300 (United States), 1-706-517-8989 (International Collect)  
**BUSINESS PHONE:** 1-800-MATS-INC  
**DATE OF PREPARATION:** May 10, 2010

### 2. COMPOSITION and INFORMATION ON INGREDIENTS

Chemical Name	CAS #	% w/w	Exposure Limits				
			ACGIH-TLV		OSHA-PEL		*Supplier Recommended Limits
			TWA	STEL	TWA	STEL	TWA 8hr.
Acrylic Polymers	CAS Unknown	>40	NE	NE	NE	NE	NE
Ethane, 1,1,1,2-Tetrafluoro (propellant)	811-97-2	10-30	NE	NE	NE	NE	1000 ppm
Water and Ingredients present of Concentrations of less than 1%		Balance	The ingredients in the balance of this product do not contribute significant hazards beyond those described in this document. All pertinent health, safety and environmental information has been presented, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.				

NE = Not Established

### 3. HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW:

**PHYSICAL DESCRIPTION:** This product is a white liquid in an aerosol can.

**HEALTH HAZARD:** While most unlikely, product may cause eye, skin and respiratory tract irritation for those who are highly sensitive. Just as breathing anything other than normal ambient air, overexposure of vapors may cause dizziness and CNS depression.

**FIRE HAZARD:** Product is non-flammable. Containers can burst under fire conditions.

**REACTIVITY HAZARD:** Propellant may decompose on contact with flames or very hot metal surfaces to produce toxic and corrosive materials.

#### SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:

The most significant route of exposure is inhalation of vapors or spray mist. The symptoms of overexposure to this product are as follows:

**INHALATION:** Spray mists or dusts of this product may cause respiratory tract irritation. Just as breathing anything other than normal ambient air, overexposure of vapors may cause dizziness and CNS depression.

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### 3. HAZARD IDENTIFICATION

#### **EMERGENCY OVERVIEW: (Continued)**

#### **SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE (Continued):**

**EYES:** Material may cause eye irritation. Contact with liquid propellant may cause severe irritation or frostbite.

**SKIN:** Material is not anticipated to cause adverse effects. Contact with liquid propellant may cause severe irritation or frostbite.

**INGESTION:** May cause gastrointestinal disturbances.

### 4. FIRST-AID MEASURES

Victims of chemical over-exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

**SKIN CONTACT:** Wash thoroughly with soap and water. If any product remains, gently rub with vegetable oil, baby oil or petroleum jelly to remove.

**EYE CONTACT:** Flush immediately with large amounts of water for at least 15 minutes. Have victim "roll" eyes to rinse under eyelids. Seek medical attention if irritation persists.

**INHALATION:** If high concentrations of vapors, mists, or sprays are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

**INGESTION:** If this product is swallowed, do not induce vomiting. Have victim rinse mouth with water. If irritation occurs obtain immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Non-Flammable

**FIRE EXTINGUISHING MATERIALS:** Use extinguishing material suitable to the surrounding fire.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When involved in a fire, this material may decompose and generate hydrochloric and hydrofluoric acid and possibly carbonyl halides.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire exposed containers with water. Protect against bursting cans.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** In case of a spill, clear the affected area and ventilate.

**RESPONSE TO SMALL RELEASES:** Proper protective equipment should be used. Stop the source of the spill if safe to do so. Contain the spill and collect liquid with an absorbent material. Clean spill area with soap and water. Place collected material in an appropriate container for disposal.

**RESPONSE TO LARGE RELEASES:** Clean up should only be done by qualified personnel. Responders should wear proper protective equipment. Absorb spilled liquid with polypads or other suitable absorbent materials. Decontaminate the area thoroughly. Place all spill residues in a suitable container and seal.

**DISPOSAL:** Dispose of all materials in accordance with federal, state and local requirements.

### 7. STORAGE and HANDLING

**STORAGE AND HANDLING PRACTICES:** Store containers upright in a cool, dry location, away from direct sunlight, sources of heat, or where freezing is possible. Do not freeze material. Use only per label instructions. Avoid contact with eyes. Avoid breathing vapor or spray mists. Wash thoroughly after use.

**NFPA 30B:** Level 1 Aerosol.

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### 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to prevent inhalation of vapors and spray mists.

**RESPIRATORY PROTECTION:** If adequate ventilation can not be guaranteed (i.e. confined spaces), use NIOSH approved respirators to control dusts, mists, fumes or vapors, following manufacturer's instructions. Maintain airborne contaminate concentrations below guidelines listed in Section 2.

**EYE PROTECTION:** As in any construction environment, use approved safety glasses, as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133, or appropriate Canadian standards.

**HAND PROTECTION:** Users with sensitive skin should use chemical impervious gloves (e.g., Neoprene or Nitrile) may be used. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or the appropriate standards of Canada.

### 9. PHYSICAL and CHEMICAL PROPERTIES

**APPEARANCE and ODOR:** White liquid with a mild, sweet odor in an aerosol can.

**RELATIVE VAPOR DENSITY (air = 1):** Heavier than air

**SPECIFIC GRAVITY:** 1

**SOLUBILITY IN WATER:** Liquid is soluble in water. Gas is partially soluble

**VAPOR PRESSURE:** 96 psia @ 77 F

**Weight % V.O.C.:** 0%

**pH:** 6 – 8

### 10. STABILITY and REACTIVITY

**STABILITY:** Stable under normal circumstances of use and handling.

**DECOMPOSITION PRODUCTS:** Thermal decomposition of this product may generate corrosive fumes and toxic gases such as hydrofluoric acid, carbonyl halides, carbon monoxide and carbon dioxide.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** This product is not compatible with powerful oxidizers, alkali or alkaline earth metals.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid contact with incompatible chemicals, heat, and all sources of ignition.

### 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** The following is component data.

**Ethane, 1,1,1,2-Tetrafluoro (propellant) CAS # 811-97-2:**

Inhalation-Rat (4 Hr) LC50: >500,000 ppm

**SUSPECTED CANCER AGENT CHART:** The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

Chemical	IARC	NTP	OSHA	ACGIH
Acrylic Polymer	No	No	No	No
Ethane, 1,1,1,2-Tetrafluoro	No	No	No	No

**REPRODUCTIVE TOXICITY INFORMATION:** When used as directed, this product is not expected to produce reproductive effects in humans.

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### 12. ECOLOGICAL INFORMATION

No data available.

### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with appropriate U.S. Federal, State, and local regulations or with regulations of Canada.  
All packaging is recyclable.

### 14. TRANSPORTATION INFORMATION

**U.S. DOT (ROAD OR RAIL):**

**PROPER SHIPPING NAME:** CONSUMER COMMODITY

**HAZARD CLASS:** ORM-D

**ID NUMBER:** N/A

**PACKING GROUP:** N/A

**AIR TRANSPORT:**

**PROPER SHIPPING NAME:** Aerosols, non-flammable

**HAZARD CLASS:** 9

**ID NUMBER:** ID8000

**PACKING GROUP:** N/A

**WATER TRANSPORT:**

**PROPER SHIPPING NAME:** Aerosols, non-flammable

**HAZARD CLASS:** 2.2

**ID NUMBER:** UN1950 in "Limited Quantity"

**PACKING GROUP:** N/A

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**15. REGULATORY INFORMATION**

EPA REPORTING REQUIREMENTS: The following reporting requirements are applicable to components of this product:

Chemical	Section 302 (40 CFR 355, Appendix A)	Section 304 (40 CFR Table 302.4)	Section 313 (40 CFR 372.65)
Acrylic Polymer	No	No	No
Ethane, 1,1,1,2- Tetrafluoro	No	No	No

U.S. SARA SECTION 311/312 FOR PRODUCT: Acute health effects

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER U.S. FEDERAL REGULATIONS: Not applicable.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

CANADIAN WHMIS SYMBOLS: A - Compressed gas



This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

All pertinent health, safety and environmental information have been presented in this document, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.

