

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/12/2002

MSDS No: SMR-18

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Silicone Mold Release**PRODUCT CODE:** SMR-18, 18 ounce spray can**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

Customer Service: (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>
1,1,1,2-Tetrafluoroethane	30 - 35	811-97-2
1,1-Dichloro-1-fluoroethane	60 - 65	1717-00-6

COMPONENTS :**EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
1,1,1,2-Tetrafluoroethane			
1,1-Dichloro-1-fluoroethane	500 ppm	500 ppm	

3. HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS****INGESTION:** Not an anticipated route of exposure**SUBCHRONIC/CHRONIC TOXICITY****CARCINOGENICITY:** Not Listed by NTP

Not listed by IARC

Not listed by OSHA

MEDICAL CONDITIONS AGGRAVATED: May increase myocardial irritability in persons with pre-existing conditions.**COMMENTS:** SIGNS AND SYMPTOMS OF EXPOSURE: Dizziness, giddiness, uncoordination, tiredness, drunkenness. Vapor concentration above 10,000 ppm may lead to unconsciousness and may be fatal (asphyxiation). Excess vapor concentrations may induce irregular heart beats.

4. FIRST AID MEASURES

EYES: Flush with water, lifting upper and lower lids.

SKIN: Wash thoroughly with soap and water.

INGESTION: Do not induce vomiting. Seek immediate medical attention.

INHALATION: Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable

FLAMMABLE LIMITS: N/A to N/A

EXTINGUISHING MEDIA: Co2, water fog

EXPLOSION HAZARDS: Floor will be slippery where materials are released. Toxic vapors may be formed from combustion. Vapors will accumulate rapidly in poorly ventilated, confined or low-lying areas and displaced air. Contact with certain finely divided reactive metals may cause reactions. Decomposition products may be hazardous.

FIRE FIGHTING EQUIPMENT: Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.

6. ACCIDENTAL RELEASE MEASURES

COMMENTS: (Always wear personal protective equipment). Evacuate all unprotected personnel. Protected personnel should remove any possible ignition source. For small spills, mop or wipe up. Remove to outdoors. Areas may be slippery.

7. HANDLING AND STORAGE

HANDLING: Do not puncture, incinerate, expose to open flame or temperature above 120 F. Keep out of direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910.133.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

WORK HYGIENIC PRACTICES: Keep protective cap in place to prevent accidental spraying.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint ethereal odor

COLOR: Colorless

PERCENT VOLATILE: Not Applicable

VAPOR PRESSURE: 2430.6 mmHg/7021.1

VAPOR DENSITY: 4.17 (Air=1)

BOILING POINT: (89.7°F)

MELTING POINT: (-60°F)

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 1.23

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Any source of ignition, such as lighted cigarettes, flames, hot spots and welding. Non-explosive conditions may yield toxic and/or corrosive decomposition products. (HCFC-141b will decompose to hydrogen chloride, hydrogen fluoride and possibly carbonyl halides.

HAZARDOUS DECOMPOSITION: Halogen, halogen acids, and possible carbonyl halides such as phosgene. These are toxic and corrosive.

INCOMPATIBLE MATERIALS: Under specific conditions: e.g., very high temperature and/or appropriate pressures, freshly abraded aluminum surfaces may cause strong exothermic reaction. Chemically active metals: sodium, potassium, calcium, powdered aluminum, magnesium and zinc.

11. TOXICOLOGICAL INFORMATION

COMMENTS: Not Applicable

12. ECOLOGICAL INFORMATION

COMMENTS: Not Applicable

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations. Do not pour liquid down drains or sewers.

14. TRANSPORT INFORMATION

COMMENTS: Not Applicable

15. REGULATORY INFORMATION**16. OTHER INFORMATION**

APPROVED BY: David C. Dillon **TITLE:** Systems Administrator

APPROVAL DATE: 12/12/2002

REVISION SUMMARY New MSDS

NFPA CODES

FIRE: 0 **HEALTH:** 1 **REACTIVITY:** 1

HMIS CODES

FLAMMABILITY: 0 **HEALTH:** 1 **PHYSICAL HAZARD:** 1

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