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Epoxy Parfilm Paintable Mold Release MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: INFOTRAC 1 800 535-5053

Product Name: Epoxy Parfilm Paintable Mold Release **Rev.: 4/09**
Product Series: ULTRA II
Form: Aerosol Cans, Net Weight: 18 oz.

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CHEMICAL NAME	CAS#	OSHA PEL	ACGIH TLV	%
1,1,1,2-Tetrafluoroethane (HFC-134a)	811-97-2	N/E *	N/E *	35-30
1,1-Dichloro-1-fluoroethane (HCFC-141b)	1717-00-6	500 ppm	500 ppm	60-65

* N/E = None Established

PHYSICAL /CHEMICAL CHARACTERISTICS

Boiling Point	89.7° F
Vapor Pressure (mm Hg.)	@ 21.1°C = 2430.6 mm Hg., @70° F = 2.5 psig
Vapor Density (AIR=1)	4.17
Specific Gravity (H ₂ O=1)	1.23
Melting Point	< -60° F
Solubility and Water	Insoluble
Appearance and Odor	Clear, colorless liquid with faint ethereal odor

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): Not tested but expect none. Individual components show none in open cup test.

FLAMMABLE LIMITS: NOT AVAILABLE
 LEL - not applicable
 UEL - not applicable

FIRE AND EXPLOSION HAZARD DATA CONTINUED

EXTINGUISHING MEDIA: CO₂; water fog. Liquid concentrate not expected to support combustion.

SPECIAL FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained NIOSH-approved breathing apparatus for protection against possible toxic decomposition products. Proper eye and skin protection should also be provided. Use water spray to keep fire-exposed containers cool and to suppress vapors.

UNUSUAL FIRE AND 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.

REACTIVITY DATA

STABILITY: Stable

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).

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

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Halogens, halogen acids, and possibly carbonyl halides, such as phosgene. These are toxic and corrosive.

HAZARDOUS POLYMERIZATION: Will not occur.

HEALTH HAZARD DATA

ROUTES OF ENTRY:

Inhalation - Yes

Skin - Yes

Ingestion - Yes (Not likely in acutely toxic quantities)

HEALTH HAZARDS (ACUTE AND CHRONIC): Can contents are a defatting agent. Repeated or prolonged contact with liquid may dry mucous membranes and defat the skin causing dermatitis.

CARCINOGENICITY:

NTP	- Not found
IARC Monographs	- Not found
OSHA Regulated	- No

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.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May increase myocardial irritability in persons with pre-existing conditions.

EMERGENCY AND FIRST AID PROCEDURES

EYES: Wash with large amounts of tepid water.

SKIN: Wash off with mild soap and water. In either case, if irritation persists, consult a physician.

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Seek immediate medical attention.

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

Note: Components are not classified as carcinogenic by IARC, NTP or OSHA.

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: (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 out doors. Areas may be slippery.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, federal and state regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not puncture, incinerate, expose to open flame or temperature above 120° F. Keep out of direct sunlight.

OTHER PRECAUTIONS: Read label precautions. For industrial use only. Keep out of reach of children. Contents are under pressure.

CONTROL MEASURES

VENTILATION

Local Exhaust: As needed to keep vapor concentrations below TLV's.

Mechanical (General): In low lying, confined or poorly ventilated areas where vapors tend to accumulate and displace air.

PROTECTIVE GLOVES: Impervious gloves with MYLAR-coated Durafab (2nd choice PVA or neoprene) for repeated exposure.

EYE PROTECTION: Proper eye protection should be worn in any type of industrial operation.

WORK/HYGIENIC PRACTICES: When not in use, keep protective cap in place to prevent accidental spraying.

HMS & NFPA CLASSIFICATIONS:

Health:	1
Flammability:	0
Reactivity:	1
Personal Protection:	

MANUFACTURER'S STATEMENT

This information contained herein is believed to be correct as of issue date. Manufacturer shall not be liable for damages arising out of, or in connection with the information obtained herein. It is intended to assist in the normal, safe usage of product. No warranty of any kind is expressed or implied as to the accuracy, completeness or adequacy of the information obtained herein.