

Material Safety Data Sheet

UAFOAM PART B

North Carolina Foam Industries, Inc.

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PRODUCT IDENTIFICATION

TRADE NAME: NCFI 26-83 R
CHEMICAL NAME: Mixture
SYNONYMS: Urethane Resin
CHEMICAL FAMILY: Polyol Resin System
FORMULA: N/A
DATE PREPARED: 8/11/95

INGREDIENTS - HAZARD CLASSIFICATION

NAME:	CAS NO.	%	TLV/PEL
1,1-Dichloro-1-fluoroethane ¹ (CH ₃ CCl ₂ F or HCFC-14 lb) ¹ Not listed as a carcinogen (NTA, IARC, OSHA)	1717-00-6	15%	None established. 500 ppm TWA & 800 ppm STEL recommended.

SHIPPING INFORMATION

Dichlorofluoroethane is not regulated when shipped domestically by land or water. If shipped by air (IATA): other regulated substances: Class 9: ID NO. 8027 (miscellaneous label).

PHYSICAL DATA

BOILING POINT (°F): CH₃CCl₂F, 90° F
SOLUBILITY IN WATER: Moderate
APPEARANCE AND ODOR: Yellow liquid, ethereal odor
SPECIFIC GRAVITY: 1.1
% VOLATILE BY VOLUME: 13

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: After CH₃CCl₂F evaporation, above 200° (Pensky Martens)
EXTINGUISHING MEDIA: Water, dry chemicals, CO₂.
SPECIAL FIRE FIGHTING PROCEDURES: A self-contained breathing apparatus must be worn to protect against toxic and irritating vapors.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Overheated containers may rupture due to pressure produced by CH₃CCl₂F. CH₃CCl₂F burns to form acids and noxious gases.
FLAMMABLE LIMITS (VAPOR) LOWER: 7.4%; Upper: 15.5%

REACTIVITY DATA

STABILITY: Stable
POLYMERIZATION: Will not occur
INCOMPATIBILITY: Isocyanates and other chemicals which react with hydroxyl groups.
HAZARDOUS DECOMPOSITION PRODUCTS: When burned, CO, CO₂, NO_x, Aliphatic Fragments, HF, HCl.
CONDITIONS TO AVOID: Temperatures over 85°
CONDITIONS TO AVOID: N/A

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 0.02 ppm ceiling for MDI

EFFECTS OF OVEREXPOSURE: May cause skin or eye irritation upon contact. Inhalation of MDI vapors may cause breathlessness, chest discomfort, coughing and reduced pulmonary function. Exposure may produce asthma-like symptoms, also may lead to allergic sensitivity.

FIRST AID PROCEDURES:

Eyes: Flush with flowing water at least 15 minutes then obtain medical attention.

Skin: Remove contaminated clothing and wash off with soap & water.

Inhalation: Remove to fresh air, administer oxygen if necessary.

Ingestion: Drink large amounts of water. See a physician.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: If TLV is exceeded, wear NIOSH approved organic respirator or air-supplied respirator must be worn.

Ventilation: Provide local exhaust to stay below TLV.

Eye Protection: Wear goggles or chemical safety glasses.

Gloves: Chemically resistant rubber or plastic.

Other: Avoid eye and skin contact. Eye wash system and safety showers should be available.

SPILL OR LEAK PROCEDURES

Contain spill. Absorb with sawdust, etc., and shovel into open top drum. Decontaminate absorbent and spill area with 2% detergent/water solution. Let waste stand for 1 to 2 days, then dispose of waste in a licensed facility. Respiratory protection/ventilation is recommended during clean-up.

SPECIAL PRECAUTIONS

Store between 65°F and 85°F out of sunlight. Keep tightly sealed to prevent moisture contamination. Relieve pressure slowly when opening container. Once opened, protect contents from water with dry atmosphere (-40°F dew point). If isocyanate becomes contaminated, do not reseal. Empty isocyanate drums or other containers should be decontaminated by filling with water or decontamination solution, preferably outdoors. Allow to stand for 24-48 hours, open to the atmosphere. **DO NOT SEAL DRUMS OR CONTAINERS.** Drain the drums and puncture to prevent reuse. Dispose of as ordinary industrial waste.

CAUTION: Under no circumstance should empty drums be burned or cut open with an electric or gas torch.

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