

MATERIAL SAFETY
DATA SHEET
UI-9904

PREFORMED LINE PRODUCTS
URETHANE DIVISION
1700 Woodhurst Lane
Albemarle, North Carolina 28001
704-983-6161

MSDS DATE: 12/27/04

Transport Emergency Phone No. -CHEMTREC- (800) 424-9300

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NUMBER: 93990455
PRODUCT NAME: Preformed Line Products 134A Duster/Blanket
PRODUCT CLASS: Blanket

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient	%	Occupational Exposure Limits		Other Info./ Vapor Pressure
		TLV	PEL	
1,1,1,2-Tetrafluoroethane (CAS# 811-97-2)	100	NE	NE	96 psig @ 25°C (77°F)

*1t = less than

N/A = Not Available

** = Components marked with a double asterisk are present above the De minimus cut off level and subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 3 - PHYSICAL DATA

Boiling Point (Concentrate): -26.5°C or (-15.7°F) @ 736 mmHg
Evaporation Rate (Concentrate): Faster than Carbon Tetrachloride
Vapor Density (Concentrate): (Air = 1) 3.5
% Volatile Volume (Aerosol): 100.0%
Weight Per Gallon (Concentrate): 1.21 g/cc (10.08 #/gal) @ 25°C

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flammability Classification (Aerosol): Non-Flammable
Extinguishing Media: Water or Water Fog or as appropriate for combustible
Unusual Fire and Explosion Hazards: Aerosol can burst at temperatures of 120°F or higher. The propellant is not flammable under explosive conditions.
Special Fire Fighting Procedures: Keep aerosols cooled with water and remove them from danger as soon as possible. Self contained breathing apparatus (SCBA) is required if cans or contents are released under fire conditions. Wear self contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires. If aerosols are bursting, stay clear, until bursting is completed. Aerosols can be projectiles when bursting.

SECTION 5 - HEALTH HAZARD DATA

Effects of Overexposure

Eyes: Liquid contact can cause irritation due to frostbite. Mist may irritate.

Skin: Liquid contact can cause irritation, frostbite, defatting and dermatitis.

Skin Absorption: There may be little absorption, however, the concentrate can cause skin irritation due to frostbite.

Inhalation: Excessive inhalation of vapors is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse or deliberate inhalation may be fatal.

Ingestion: Not considered a potential route of exposure.

Emergency and First Aid Procedures

Eyes: Flush with water for 15 minutes and get medical attention, if symptoms persist.

Skin: Thoroughly wash the exposed area. If there is evidence of frostbite bathe (do not rub) with lukewarm water. If any irritation persists, get medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep person warm, quiet and get medical attention.

Ingestion: Ingestion is unlikely due to the physical properties and is not expected to be hazardous. DO NOT induce vomiting! Get medical attention IMMEDIATELY.

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SECTION 6 - REACTIVITY DATA

Stability: Material is stable, however, avoid open flames and high temperatures.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Decompositions are hazardous. Can be decomposed by high temperatures forming hydrofluoric acid and possibly carbonyl fluorides.

Conditions to Avoid: Open flame or any means which cause high temperatures.

Materials to Avoid: Incompatible with alkali or alkaline earth metals – powdered Al, Zn, Be, etc. Freshly abraded aluminum surfaces may cause strong exothermic reaction. Chemically active metals: Sodium, Potassium, Calcium.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken

Ventilate the area. Remove open flame. Use self-contained breathing apparatus if large spill or leak occurs. Avoid breathing vapors. Remove materials to out-of-doors. Evacuate area. Keep out of water supplies.

Waste Disposal

Dispose in accordance with local, State Federal regulations.

Disposal should be carried out under EPA State and Federal Laws.

SECTION 8 - SAFE HANDLING AND USE INFORMATION

Respiratory Protection: If used with adequate ventilation and oxygen levels, no protective equipment is necessary. In enclosed spaces wear self contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.

Gloves: Lined butyl gloves and chemical splash goggles should be worn when handling liquid.

Ventilation: Opened windows and large opened areas are recommended.

Protective Equipment: None needed except as listed above.

Hygienic Practices: Observe normal hygienic practices. Wash hands after use.

Proper Shipping Name: 1,1,1,2 Tetrafluoroethane

Hazard Class: Nonflammable Gas, IMO Class-Division 2.2

UN No.: 3159

DOT Label: Nonflammable Gas

DOT Placard: Nonflammable Gas

SECTION 9 - SPECIAL PRECAUTIONS

134a is not flammable at ambient temperature and atmospheric pressure. However, it has been shown in tests to be combustible at pressures as low as 5.5 psig at 177°C when mixed with air at concentrations of generally more than 60 volume % air. At lower temperatures, higher pressures are required for combustibility.

Keep aerosols cool in temperatures between 60 to 120°F. Do not allow temperature to rise at or above 120°F. May cause bursting of cans. Keep containers dry, closed and upright when not in use. Maintain good personal hygiene and housekeeping. Keep out of reach of children.

The information contained in the Material Safety Data Sheet is furnished without warranty of any kind, expressed or implied. Information in this Data Sheet has been assembled by the manufacturer based on its own studies and on the work of others and is believed to be correct as of the date issued. However, no warranty of any kind is expressed or implied as to the accuracy, completeness, or adequacy of the information obtained herein. The manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, or adequacy of the information obtained herein. It is intended to assist in the normal safe usage of the product.