

MATERIAL SAFETY DATA SHEET

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FOR CHEMICAL EMERGENCY
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Product Name: Polyester Parfilm Paintable Mold Release
Series: Ultra 3
Date: March 4, 2005
Product form: 18 oz. net wt. aerosol can

HAZARDOUS INGREDIENT/IDENTITY INFORMATION

<u>CHEMICAL NAME</u>	<u>CAS#</u>	<u>OSHA PEL (8 hr TWA)</u>	<u>% (Range)</u>
n-Propyl Bromide	106-94-5	None established*	65%-35%
1,1,1,2-Tetrafluoroethane	811-97-2	NA	35%-65%

*OSHA PEL and ACGIH TLV not established. Manufacturer recommends a workplace exposure guideline of 100ppm 8 hour time weighted average (TWA) based on scientific assessments and other existing toxicological data. Based on this, the components are not expected to be carcinogens.

PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	Colorless liquid - under pressure in can
Boiling Point	N/A
Vapor Pressure (mm Hg.)	60 psig @70°F
Vapor Density (AIR = 1)	>1
Specific Gravity (H ₂ O = 1)	(Range) 1.24 - 1.35
Solubility in Water	Insoluble

HEALTH HAZARD DATA

Potential health effects:

- Eye:** Eye contact with liquid or vapor may cause temporary irritation.
- Skin:** Skin contact with the liquid may cause freezing of the skin (frostbite) or may produce irritation with discomfort or rash.
- Ingestion:** Ingestion not a likely route of entry as product is in aerosol form. May cause frostbite, irritation of the mouth and gastro-intestinal tract. Aspiration hazard!
- Inhalation:** Inhalation of concentrated vapors may cause respiratory irritation, nausea, headache and dizziness. May produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness and death from asphyxiation, depending on concentration and time of exposure. Chronic overexposure at high levels to liquid may cause adverse effects in the liver, respiratory system, kidney, reproductive system and central nervous system.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

May increase susceptibility to toxicity of excessive exposures in persons with pre-existing diseases of the central nervous and cardiovascular systems, lungs, eyes or skin.

EMERGENCY AND FIRST AID PROCEDURES

- Eyes: Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention. Consult physician immediately if frostbite occurs.
- Skin: Wash affected area with soap and water. Remove and launder contaminated clothing before reuse. Treat as frostbite. If irritation develop or if there is evidence of tissue damage, get medical attention.
- Inhalation: Remove to fresh air. If breathing has stopped, restore breathing at once. Administer oxygen and get immediate medical help.
- Ingestion: Ingestion is an unlikely route of exposure. Drink large amounts of water. DO NOT induce vomiting unless instructed to do so by a physician. Seek immediate medical attention.

FIRE FIGHTING MEASURES

- Flash Point NONE - Product is non-flammable by aerosol standards (per ASTM D3065-01)
- Extinguishing Media Dry chemical extinguisher B-C, water
- Fire Fighting Procedures: Use NIOSH approved self-contained breathing apparatus. Use water spray or fog to cool exposed equipment and containers.
- Unusual Fire & Explosion Hazards: Vapor from nPB will form a flammable mixture in a narrow concentration range of 4.6% to 8.5% by volume in air. Do not weld or cut any cans with a torch that contained nPB as residual vapors in the can could be in the flammable range and an explosion could occur. Hazardous decomposition products may be formed (see reactivity data section.)

REACTIVITY DATA

- Stable: Yes
- Conditions/Materials to Avoid: Ignition sources such as open flames, sparks, static discharges or glowing metal surfaces. Finely divided metals, magnesium and alloys containing more than 2% magnesium. Can react violently if in contact with alkali or alkaline earth metals such as sodium, potassium or barium. Avoid strong alkalies, oxidizers, bases and reactive metals. Minimize introduction of water. Avoid open flame, electric arc and other high energy ignition sources. Incompatible with natural rubber.
- Hazardous Decomposition: Burning can produce the following combustion products: Halogens, carbon monoxide, carbon dioxide, hydrogen bromide and halogen acids, by thermal decomposition.
- Hazardous Polymerization: Will not occur
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PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is spilled or released:

Contain spillage or leakage with dikes or absorbent material to prevent migration into sewer or waterway. For large spills, evacuate and ventilate the area. Wear self-contained breathing apparatus and recommended personal protective equipment. Absorb with earth, sand, or other non-combustible absorbent material and place in closed container for disposal. Ventilate the area - especially low areas where vapors may accumulate. Remove open flames.

- Handling: Minimize breathing of vapors and avoid prolonged or repeated contact with skin. Wear proper protective equipment. If ventilation is not sufficient, wear proper respiratory equipment. Do not use near ignition sources. Contents are under pressure. Do not puncture, incinerate, expose to open flame or temperatures above 120°F. Keep out of direct sunlight. For industrial use only. Keep out of reach of children. Store in a well-ventilated place, Keep container tightly closed. Read label precautions. Do not remove or deface label.
- Storage: Store in a cool, dry, well ventilated area away from all sources of ignition. Do not store at temperature above 120°F.
- Disposal: Empty fully and relieve pressure. Empty containers can be recycled. Dispose according to Local, State and Federal regulations.
- Ventilation: Local exhaust -- use sufficient ventilation to keep employee exposure below manufacturer's recommended limits.
- Skin: The use of chemically resistant gloves (preferably Viton), is recommended if there is any possibility of prolonged or repeated liquid contact with the skin.
- Eye: Proper eye protection should be worn in any type of industrial operation, such as splash proof faceshield or goggles.

HMIS/NFPA Hazard Rating:

Health:	1
Flammability:	0
Reactivity:	1

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.
