



MATERIAL SAFETY DATA SHEET

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5/7/01

1- COMMERCIAL NAME : Mold Release 102

2- HAZARDOUS INGREDIENTS :

CHEMICAL NAME	CAS NUMBER	QUANTITY in %
1. Propane/Isobutane Blend	68476-86-8	25-35
2. VM&P Naphtha	64772-89-8	20-30
3. N-Propyl Alcohol	71-23-8	20-30
4. Hexane	110-54-3	15-25
5. Isopropyl Alcohol	67-63-0	<5

3- HAZARDS IDENTIFICATION /DATA:

Acute Effects -

- May cause skin and eye irritation. May cause dizziness, nausea, vomiting, and headache if inhaled.
- Misuse by concentrating and inhaling the contents can be harmful or fatal.
- Acute oral toxicity is low.

Chronic Effects -

- Overexposure to n-Propyl Alcohol may cause damage to lungs, brain, and liver.

4- FIRST AID MEASURES :

- Change any soiled clothing immediately.
- *In case of eye contact* : open eyelids as far as possible and flush with large quantities of water for at least fifteen minutes. Call a physician, preferably an eye specialist.
- *In case of skin contact* : physically remove the product and wash skin thoroughly with soap and water. Consult a physician if skin irritation occurs.
- *In case of swallowing* : do not induce vomiting. Call a physician and (or) hospitalize the patient immediately.
- *In case of inhalation* : remove the patient from the contaminated area. Call a physician if after-effects occur.

5- FIRE-FIGHTING MEASURES :

5-1 Fire-extinguisher types :

- Use : chemical foam, CO2 powder or any Class B extinguishing agent. Where the fire is of major proportions, water spray may also be used.

5-2 Specific fire and explosion risks :

- Aerosols may burst if exposed to temperatures above 120 degrees F. Contents of aerosol can are under pressure.

5-3 Specific protective measures during firefighting :

- Firefighting personnel should be equipped with self-contained breathing apparatus.

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6- ACCIDENTAL RELEASE MEASURES :

6-1 Individual protection :

REMOVE ALL SOURCES OF IGNITION - Vapors are heavier than air and may spread long distances or collect in low spots.

Ventilation - General ventilation is required during normal use.

Respiratory protection - If TLV or PEL listed in this data sheet is exceeded, then suitable respiratory protection must be worn to prevent overexposure.

Protective Gloves - Wear appropriate impervious gloves to prevent skin contact.

Eye Protection - Wear face shield or protective safety goggles.

Other protective Equipment - Wear protective clothing to prevent skin contact.

6-2 Environmental protection : Please see § 12

6-3 Decontamination procedures :

- Remove all sources of ignition, ventilate area.
- Contain spilt material in order to avoid its transfer to sewers or rivers and streams.
- Physically remove the material.
- Cover material with sand, earth or any other similar absorbent material in order to soak product up. The resulting mix may then be shoveled into cans and removed for disposal (Please see § 13).

7- HANDLING AND STORAGE :

7-1 Handling :

- Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.
- Observe personal hygiene rules to avoid contact with eyes and skin.
- Avoid inhaling vapors produced by the material .
- General ventilation in the area should be sufficient (fan-driven). Where vapors could possibly escape into the air in the workplace, local specific means of ventilation will be necessary.
- Install showers and eye baths ("fountain" type).
- Wash hands thoroughly at beginning of every work break and at the end of the working day.
- Work stations and the general working area must be kept perfectly clean.
- Avoid exposure to the material of persons having suffered from eczema or still suffering from any skin condition, wound, cut or irritation.
- Do not eat, drink, or smoke while using this product. Keep away from children.

7-2 Storage :

- Keep the material hermetically sealed in its original packaging, protected from humidity and heat in a well-ventilated storage facility. Do not puncture or incinerate empty or full containers.
- Reproduce labeling on all new packs where original packaging is divided.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION :

8-1 Exposure controls :

Always maintain airborne contaminants in the workplace at the lowest possible levels.

8-2 Personal protection :

- respiratory protection : NO, unless PEL's are exceeded, then use NIOSH approved respirator(see §15)
- gloves : YES (impervious, such as neoprene, polyvinyl alcohol, NBR nitrile).
- eye protection : YES (safety glasses with side shields or chemical goggles).

Do not mix work clothing and normal clothing. Wash hands thoroughly at beginning of every work break and at the end of the working day.

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9- PHYSICAL AND CHEMICAL PROPERTIES :

Physical state : Aerosol spray
Color : Off-white hazy fluid
Odor : Characteristic alcohol odor
pH : Not established
Flash point : Aerosol is flammable (LEL 0.9 / UEL 13.5)
Vapor Pressure : 33 mm hG (Isopropyl Alcohol)
Vapor Density : (air=1) >1
Specific gravity : 0.78
Solubility : Negligible

10- STABILITY AND REACTIVITY

- **Stability :** Stable
- **Conditions to avoid :** Keep aerosols away from direct sunlight and other heat sources.
- **Incompatibility :** Store away from strong oxidizers. Avoid contact with water.
- **Hazardous Decomposition Products :** Hydrocarbon decomposition products at elevated temperatures.
- **Hazardous Polymerization :** Will not occur.

11- HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

Primary Route of entry : Inhalation, skin, and eye contact.
Effects on eyes : may be moderately irritating, causing pain, tearing, reddening, swelling and itching.
Effects on skin : repeated or prolonged single exposure may cause irritation to the skin. May cause a cutaneous allergic reaction in predisposed individual.
Effects of inhalation : May cause respiratory tract irritation, may cause dizziness, nausea, vomiting, and headache.
Effects on ingestion : Do not induce vomiting, may cause aspiration of the solvent into the lungs, resulting chemical pneumonia, which can be fatal.
Toxicological information : This product does not contain any substance listed by NTP, IARC or OSHA as a carcinogen.

12- ECOLOGICAL INFORMATION :

Based on data for one or more similar products :

- *Ecotoxicity :* not known
- *Biodegradability :* yes

13- DISPOSAL CONSIDERATIONS

Waste Disposal :

If discarded, this material should be treated as hazardous waste based on the characteristic of ignitability (D001)

Container Disposal :

Empty containers should be disposed of in accordance with all applicable local, state, and federal laws and regulations.

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14- TRANSPORT INFORMATION :

DOT Regulation:

Domestic Shipments

Consumer Commodity
ORM-D

International Shipments

Aerosols, Flammable
(N-Propyl Alcohol)
Class 2.1 Flammable Gas
UN 1950

Internal label: H0035020

15- REGULATORY INFORMATION :

US Federal Regulation

Toxic Substances Control Act (TSCA):

All components are included in the EPA Toxic Substances Control Act Chemical Substance Inventory.

OSHA Hazard Communication Standards (CFR29)

Health (§1910.1200): Irritant

Fire: (§1910.1200): Flammable-class 1c

Exposure Limits(§1910.1000):

OSHA PEL for Propane/Isobutane is 1000 ppm for an 8-hour TWA. ACGIH TLV is 800 ppm.

OSHA PEL for VM&P Naphtha is 300 ppm for an 8-hour TWA. ACGIH TLV is 300 ppm.

OSHA PEL for N-Propyl Alcohol is 200 ppm for an 8-hour TWA. ACGIH TLV is 200 ppm.

OSHA PEL for Hexane is 500 ppm for an 8-hour TWA. ACGIH TLV is 50 ppm.

OSHA PEL for Isopropyl Alcohol is 400 ppm for an 8-hour TWA. ACGIH TLV is 400 ppm.

EPA SARA Title III

Section 302 : Extremely Hazardous Chemicals: none

EPA SARA Title III

Section 311/312 : Hazardous Chemical : Yes Hazard Category : Fire Sudden Release of Pressure : Yes
Immediate : Yes Delayed : Yes

EPA SARA Title III

Section 313 : Hexane 110-54-3 15-25%

Please refer to any other national measures or regulations that may be relevant to the product.

16- OTHER INFORMATION :

HMIS Ratings:

	<u>Resin</u>
- Health:	1
- Flammability:	2
- Reactivity:	0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, * = Chronic Health Hazard

REVEALING MODIFICATION :

Revised : 5/7/01

Supersedes sheet : 11/20/95 This sheet provides a

complement to the product use instructions but does not replace them. The information it contains is based on our current knowledge of the product concerned at the date of drafting. That information is given in good faith and does not in any circumstances remove from the user his duty to be aware of and to follow all legal regulations and statutes covering his activities. The user takes sole responsibility for application of safety measures covering the use of the product he is aware of. We also draw the user's attention to the risks attached to any use of the product for applications for which it was not designed.

02/99