



MATERIAL SAFETY DATA SHEET

Axson North America, Inc.
1611 Hults Drive Eaton Rapids, MI 48827
(517)663-8191 24hrs (800)424-9300

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1- COMMERCIAL NAME : Mold Release 870 NA (XZ1419/1)

Do not handle this material until the manufacturer's safety precautions have been read and understood! Regulations require that all employees be educated & trained on the Material Safety Data Sheets for all products with which they come in contact.

2- COMPOSITION/INFORMATION ON INGREDIENTS :

CHEMICAL NAME	C.A.S	QTY%
1. Heptane	142-82-5	50-60
2. Petroleum gases, liquified	68476-85-7	30-40
3. Naptha	64742-48-9	1-5

3- HAZARDS IDENTIFICATION :

POTENTIAL HEALTH HAZARD

Material is Extremely Flammable! Product under pressure - keep away from all sources of ignition!

Eye: May cause moderate eye irritation.

Skin: Prolonged exposure may cause slight irritation and/or skin rash.

Ingestion: May cause irritation to the digestive tract; nausea, vomiting and diarrhea. May cause lung damage.

Inhalation: High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Prolonged exposure will cause dizziness, respiratory irritation, headache, nausea, and even asphyxiation.

Misuse by concentrating and inhaling the contents can be harmful or fatal.

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. Seek immediate medical attention, 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 :** induce vomiting and seek immediate medical attention. A suspension of activated charcoal in water, or liquid paraffin may be administered.
- **In case of inhalation :** remove the patient from the contaminated area. Consult physician if after-effects occur.

5- FIRE-FIGHTING MEASURES :

5-1 Fire-extinguisher types :

- Use : chemical foam, CO₂, powder. Where the fire is of major proportions, water spray may also be used.

5-2 Specific fire and explosion risks :

Flammable product! Aerosols may burst if exposed to temperatures above 120F degrees. Contents are under pressure. Keep away from heat, sparks and/or flame.

5-3 specific protective measures during firefighting :

Firefighting personnel should be equipped with insulated, autonomous respiratory protection equipment.

COMMERCIAL NAME : Mold Release 870 NA (XZ1419/1)**6- ACCIDENTAL RELEASE MEASURES :****6-1 Individual protection :**

Wearing of suitable protective clothing and protective equipment for face/eyes.

Remove all sources of ignition and/or static electricity; evacuate non-essential personnel.

Provide general ventilation to disperse vapors.

6-2 Environmental protection : Please see § 12**6-3 Decontamination procedures :**

- Contain spilt material in order to avoid its transfer to sewers or rivers and streams.
- Physically remove the material.
- Cover with an absorbent substance and remove for proper disposal.

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.
- **Remove all sources of ignition, open flame, static electricity, spark, etc.** Observe bonding/grounding rules.
- Observe personal hygiene rules to avoid contact with eyes and skin.
- Avoid inhaling vapors produced by the material, especially when heated and/or sprayed.
- Install showers and eye baths ("fountain" type).
- Ensure sufficient ventilation, including appropriate local air extraction, in order to comply with workplace exposure limits.
- 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.

7-2 Storage :

- Keep the material hermetically sealed in its original packaging, protected from humidity and at a temperature between 59 and 77°F / 15 and 25°C in a well-ventilated storage facility. Do not store above 110F temperatures.
- Ensure that the floor of the storage area is impermeable and concave in profile in order to provide effective containment.
- Keep the product away from food. Keep away from children.
- Reproduce labeling on all new packs where original packaging is divided.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION :

8-1 Exposure controls : Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations. Always maintain workplace air contaminants to a minimum.

8-2 Personal protection :

- respiratory protection : No, unless PEL's are exceeded, then use NIOSH approved respirator (Sec.15)
- eye protection : YES, safety glasses with side shields or chemical goggles
- skin protection : YES, protective gloves, such as nitrile, neoprene, polyvinyl

COMMERCIAL NAME : Mold Release 870 NA (XZ1419/1)**9- PHYSICAL AND CHEMICAL PROPERTIES :**

Physical state : aerosol spray

Color : colorless

Odor : characteristic solvent odor

Vapor Density : >1 (air=1)

Flash point : aerosol is flammable (LEL 1.2/UEL 9.5)

Specific gravity : 0.75

Solubility : - in water : at 68°F / 20°C : dissolvable

10- STABILITY AND REACTIVITY :**10-1 Dangerous decomposition by-products :**

- These are non-existent if storage and handling rules are followed (please see also § 5-2).

10-2 Hazardous reactions with :

- Avoid accumulating electrostatic charge. Keep away from direct sunlight or other heat sources.

11- TOXICOLOGICAL INFORMATION :

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 individuals.

Effects of inhalation : may cause respiratory tract irritation, may cause dizziness, nausea, vomiting, and/or headache.

Effects on ingestion : may cause aspiration of the solvent into the lungs, resulting in 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 :

Adopt good working practices, so that the product is not released into the environment.

Ecotoxicity : (Heptane) is very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13- DISPOSAL CONSIDERATIONS :

All disposal methods must be in compliance with all Federal, State/Provincial and local regulations. Regulations may vary in different locations. Waste characteristics and compliance with applicable laws are the responsibility solely of the waste generator. Treat as hazardous waste based on the characteristic of ignitability (D001).

For unused & uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other thermal destruction device.

COMMERCIAL NAME : Mold Release 870 NA (XZ1419/1)**14- TRANSPORT INFORMATION :****DOT Regulations/Information:****Proper Shipping Name:** Aerosols, Flammable, N.O.S. (Heptane)**Hazard Class:** 2.1**UN/NA Number:** UN1950**Packaging Group:** III**Internal label:****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 Standard hazard classes:

Hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Health : IrritantFlammable : Class 1cExposure Limits (1910.1000)OSHA PEL/TWA : 400ppm (Heptane) STEL is 500ppmACGIH TLV : 400ppm (Heptane)OSHA PEL/TWA : 1000ppm (Petroleum gases, liquified)ACGIH TLV : 1000ppm (Petroleum gases, liquified)Sec. 313 Chemicals : none**16- OTHER INFORMATION :****HMIS Ratings:****Health. Flammability. Reactivity****2.3.0.**

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

REVEALING MODIFICATION : MR1.PDF

Revised : 10/15/2008 Supersedes sheet : N/A 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. 03/2006