

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: ReleaSys™ 78
Paintable Release Agent

Product Use: Release Agent

MANUFACTURER/DISTRIBUTOR:

Miller-Stephenson Chemical
55 Backus Ave.
Danbury, Conn. 06810 USA
(203) 743-4447

Emergency Phone Number:
(800) 424-9300

2. HAZARDS IDENTIFICATION

Hazard classification

Flammable aerosols: Category 2
Aspiration hazard: Category 1
Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 2A
Reproductive toxicity: Category 2
Specific target organ toxicity - single exposure: Category 3
Specific target organ toxicity - repeated exposure: Category 1

Label elements:

Signal word
Danger

Pictograms



Hazard Statements

Flammable aerosol.
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Causes skin irritation.
May cause drowsiness or dizziness
Suspected of damaging fertility or the unborn child
Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Do not handle until all safety precautions have been read and understood.

Keep away from heat/spark/open flames/hot surfaces. – No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use

Do not breathe mist/vapors/spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a POISON CENTER or doctor/ physician if you feel unwell.

IF SKIN irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local, regional, or international regulations.

3. INGREDIENTS

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Hexane	110-54-3	45 – 55
Naphtha (petroleum), hydrotreated heavy	64742-48-9	2 – 10
1,1,1,2-Tetrafluoroethane	811-97-2	35 – 45

4. FIRST AID MEASURES

Inhalation: Remove patient to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye: Flush with large amounts of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue to rinse. Get medical attention if necessary.

Skin: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical attention. Wash contaminated clothing before use.

Oral: Call physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and delayed: Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache, Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information: Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice. Ensure the medical personnel are aware of the material involved (show the label, if possible), and take precautions to protect themselves. Show this safety data sheet to the doctor. Wash contaminated clothing before use.

5. FIRE FIGHTING MEASURES

Flammability: This product is flammable.

Test Method: Ignition distance test and Enclosed space ignition test

Fire and Explosion: Containers may rupture under fire conditions. Decomposition may occur. Vapors are heavier than air. Vapors or gases may ignite at distant ignition sources and flash back.

Suitable Extinguishing Media: Water fog, Foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

Special Fire Fighting Instruction: Use water spray to cool containers. Do not allow run-off from firefighting to enter drains and water sources. Do not breathe fumes or vapors from fire. Self-contained breathing apparatus (SCBA) maybe required, if a large amount of material is spilled under fire conditions. Fight fire from a distance, heat may rupture containers. Vapors may travel a considerable distance and flash back.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Flammable aerosol. Eliminate all ignition sources. Evacuate personnel, ventilate area with fresh air, if a large amount is accidental released, use self-contained breathing apparatus.

Methods and materials for containment and cleaning up: Eliminate all ignition sources. Dike spill. Soak up with sand, oil dry or other noncombustible absorbent materials. Caution: Contaminated surfaces may be slippery.

Environmental precautions: Prevent material from entering sewers, waterways or onto the ground. Use appropriate containment to avoid environmental contamination.

7. HANDLING AND STORAGE

Handling: Use in a well-ventilated area to avoid breathing vapors. Vapors may travel a considerable distance and flash back. Do not spray on an open flame or other ignition source. Use only with adequate ventilation. Use appropriate respiratory protection, when ventilation is inadequate. When using do not eat, drink, or smoke. Avoid contact with skin, eyes or clothing Wash thoroughly after handling.

Storage Conditions: Store in a clean, dry place that is well-ventilated. Do not store near sources of heat, in direct sunlight or where temperatures exceed 125°F/52°C. Do not pierce or burn, even after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Hexane

TWA (ACGIH)

50 ppm

PEL (OSHA)

500ppm

Respiratory Protection: Avoid breathing vapors, mists or spray. Use NIOSH approved respirators, such as an air-purifying respirator with organic cartridges. In poorly ventilated areas, use an approved self-contained breathing apparatus.

Eye Protection: Avoid eye contact. Use chemical goggles or safety glasses with side shields.

Skin Protection: Avoid contact with skin. Use chemically resistant gloves and clothing.

General Hygiene: Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 156°F/69°C

Percent Volatile by Volume: N.A.

Density: 0.65 g/cc at 77°F/25°C

Vapor Pressure: N/A

Vapor Density (Air=1): N.A.

Solubility in H₂O: N.A.

pH Information: N.A.

Evaporation Rate (CC14=1): N.A.

Form: Aerosol

Appearance: Clear

Color: Straw Yellow

Odor: Mild

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal temperatures and storage conditions.

Materials and Conditions to Avoid: Strong oxidizing agents. Keep away from extreme heat, sparks, open flames or other ignition sources.

Hazardous decomposition products: No hazardous decomposition products are known.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Hexane

Acute Toxicity

Oral: LD50: 16,000 mg/kg in male and female rat (OECD Test Guideline 401)

Dermal: LD50: > 2,000 mg/kg in male rabbit (OECD Test Guideline 402)

Inhalation: 4 hour LC50: 172 mg/l in rat

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Eyes - Rabbit Result: Mild eye irritation

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: Not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate it is mutagenic or genotoxic.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: Inhalation - May cause damage to organs through prolonged or repeated exposure. - Nervous system

Aspiration hazard: May be fatal if swallowed and enters airways

Naphtha (petroleum), hydrotreated heavy

Acute Toxicity: May be fatal if swallowed and enters airways. Harmful if inhaled.

Skin corrosion/irritation: Not classified based on available information.

Serious eye damage/eye irritation: Not classified based on available information.

Respiratory or skin sensitization: Not classified based on available information.

Germ cell mutagenicity: Not classified based on available information.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Not classified based on available information.

Specific target organ toxicity - single exposure: Not classified based on available information.

Specific target organ toxicity - repeated exposure: Not classified based on available information.

Aspiration hazard: May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION**Hexane****Fish Acute & Prolonged Toxicity**

96 hour LC50: fathead minnow (*Pimephales promelas*): 2.5 mg/l

Aquatic Invertebrate Acute Toxicity

48 hour EC50: *Daphnia magna*: 2.1 mg/l

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Naphtha (petroleum), hydrotreated heavy**Ecotoxicity**

Not classified as an environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a damaging effect on the environment.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

13. DISPOSAL CONSIDERATIONS

Comply with federal, state and local regulations. Remove to a permitted waste disposal facility.

14. TRANSPORT INFORMATION

U.S. DOT

Limited Quantity

IATA

Proper Shipping Name: Aerosols, Flammable

Hazard Class: 2.1

Identification No. UN1950

Packing Group: None

IMDG

Proper Shipping Name: Aerosols, Flammable

Hazard Class: 2.1

Identification No. UN1950

Packing Group: None

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients are listed in TSCA inventory.

CERCLA Hazardous Substance List: Hexane (110-54-3) is Listed

SARA 304 Emergency release notification: Not regulated

SARA 302 Extremely hazardous substance: Not listed

SARA 311/312 Hazardous chemical: Yes

U.S. State Regulations:

California Proposition 65: This product can expose you to Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. OTHER INFORMATION

NPCA-HMIS Ratings:

Health - 2

Flammability - 3

Reactivity - 0

Personal Protective rating to be supplied by user depending on the conditions

FOR INDUSTRIAL USE ONLY

DATE: SEPTEMBER 2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.