

1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

ReleaSys™ 88
Semi-Permanent Mold Release Agent

Product Use: Semi-Permanent Release Agent for Molds

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

Serious eye damage/eye irritation: Category 2A

GHS Label elements:

Signal word

Warning

Pictograms



Hazard Statements

H319 Causes serious eye irritation.

Precautionary Statements

Do not pierce or burn, even after use.

Wash skin thoroughly after handling.

Wear protective gloves and eye protection.

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

If eye irritation persists: Get medical advice/ attention.

Store in a well-ventilated place.

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

3. HAZARDOUS INGREDIENTS

Material (s)
Polyethylene glycol mono(tridecyl) ether

CAS No.
24938-91-8

Approximate %
< 1.5

4. FIRST AID MEASURES

Inhalation: Under normal conditions of intended use, this material is not expected to be a hazardous material by inhalation.

Eye: Rinse immediately with plenty of water for 15 minutes holding eyelids open. Immediately get medical attention.

Skin: Wash immediately with plenty of soap and water and rinse thoroughly. Remove contaminated clothing and shoes and wash before reuse. If skin irritation occurs, contact a doctor.

Oral: If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Seek medical attention.

Most important symptoms and effects, both acute and delayed:

May cause gastro-intestinal irritation if ingested. Nausea in case of ingestion. Causes serious eye damage.

5. FIRE FIGHTING MEASURES

Flammability: This product is not flammable.

Test Method: Ignition distance test and Enclosed space ignition test

Extinguishing Media: This product does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, alcohol resistant foam or CO₂.

Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.

Special Fire Fighting Instruction: Water fog should be used to cool containers. Wear suitable protective equipment. Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment.

Environmental precautions: Do not allow to enter drains, sewers watercourses.

Methods and material for containment and cleaning up: Surfaces contaminated with the product will become slippery. Absorb with inert material. Do not allow product to enter sewer or waterways. Clean area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling: Provide adequate ventilation. Avoid contact with eyes and skin.

Storage Conditions: Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Respiratory Protection: If ventilation is insufficient, suitable respiratory protection must be provided.

Eye Protection: Wear safety glasses with side shields (or goggles).

Skin Protection: Protective gloves are recommended.

Environmental Exposure Controls: None of the components have assigned exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA

Percent Volatile by Volume: NA

Density: 1.00 g/cc

Vapor Pressure: No data available

Vapor Density (Air=1): No data available

Solubility in H₂O : Soluble

pH Information: 6 - 8

Evaporation Rate (CC14=1): No data available

Form: Aerosol

Appearance: Milky liquid

Color: White

Odor: Slight

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Material and Conditions to Avoid: Strong oxidizers, strong acids, and strong bases.

Hazardous decomposition products: Thermal decomposition may liberate oxides of carbon, nitrogen oxides, silicon oxides.

Possibility of Hazardous Reactions: Toxic fumes may be released if heated above the decomposition point.
Reacts with strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Polyethylene glycol mono(tridecyl) ether

Acute Oral: LD50: 1350 mg/kg in rats.

Acute Dermal: No data available.

Acute Inhalation: No data available

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: Strong irritant with the danger of severe eye injury.

Respiratory or Skin Sensitization: No sensitizing effects are known.

Repeated Dose Toxicity: No data available.

Carcinogenicity: No data available.

Germ Cell Mutagenicity:

In vitro: No data available.

In vivo: No data available.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity – Single Exposure: No data available.

Specific Target Organ Toxicity – Repeated Exposure: No data available.

Aspiration Hazard: No data available.

12. ECOLOGICAL INFORMATION

Polyethylene glycol mono(tridecyl) ether

EC50 in *Lepomis macrochirus*: 7.5 mg/kg

Persistence and Degradability: No data available on this product.

Bioaccumulative Potential: No data is available on this product.

Mobility of Soil: Not data is available on this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with local and national regulations.

Environmental Hazards: Uncleaned containers must be disposed of according to official regulations.

14. TRANSPORT INFORMATION

U.S. DOT

Limited Quantity

IATA

Proper Shipping Name: Aerosols, Non-Flammable

Hazard Class: 2.2

Identification No. UN1950

Packing Group: None

IMDG

Proper Shipping Name: Aerosols, Non-Flammable

Hazard Class: 2.2

Identification No. UN1950

Packing Group: None

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients are listed in TSCA inventory.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D): Not regulated.

SARA 304 Emergency release notification: Not regulated.

SARA 302 Extremely hazardous substance: No ingredients are listed.

SARA 313 (TRI reporting): No ingredients are listed.

16. OTHER INFORMATION

FOR INDUSTRIAL USE ONLY

DATE: JULY 24, 2023

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.