

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Precipitation Carrier
Cat. No: PC 173

Molecular Research Center, Inc.
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Cincinnati, Ohio 45212
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Product Name: Precipitation Carrier

Application: Carrier is employed to improve the recovery of small quantities of messenger RNA with RNAzol-RT reagent.

Synonyms: Polyacrylamide/acrylic acid polymer.

Chemical Formula: A formulation

Molecular Weight: <800,000

CHEMTREC EMERGENCY NUMBER: Only in the event of an emergency involving a spill, leak, fire exposure or accident. USA: 1-800-424-9300; International: +1-703-527-3887.

2. HAZARD IDENTIFICATION

OSHA

Irritant

GHS - Classification

Not a dangerous substance according to GHS.

GHS Label elements

Pictogram:



Signal word: Warning

Health Hazard

| Hazard Class | Hazard category | Code | Health Hazard Statements |
|---|-----------------|------|----------------------------------|
| Skin corrosion/irritation | Category 3 | H316 | Causes mild skin irritation |
| Serious eye damage/irritation | Category 2B | H320 | Causes eye irritation |
| Specific target organ toxicity, Single exposure; Respiratory tract irritation | Category 3 | H335 | May cause respiratory irritation |

Precautionary statements

| Code | Prevention precautionary statements |
|--------------------|--|
| P261 | Avoid breathing dust/ fume/ gas/ vapor/ or spray. |
| P264 | Wash...thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P281 | Use personal protective equipment as required. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |

Potential Health Effects:

Eye: Dust may cause irritation.
Skin: May cause skin irritation. Low hazard for industrial handling.
Ingestion: Ingestion in large amounts may cause gastrointestinal irritation. Expected to be a minor ingestion hazard.
Inhalation: May cause coughing or sneezing, respiratory tract irritation. Minor hazard for routine industrial handling

Practice good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure and ensure prompt removal from skin, eyes or clothing. The chemical, physical and toxicological properties have not been thoroughly investigated.

HMIS Classification

Health Hazard 1
Flammability 0
Physical hazards 0
PPE = C

NFPA Rating

Health Hazard 1
Fire 0
Reactivity 0

3. COMPOSITION/Information on Ingredients

| Component | Classification | Concentration |
|-------------------------|----------------|---------------|
| Acrylic acid polymer | Proprietary | < 10 % |
| Nonhazardous Components | | > 90% |

No ingredients are hazardous according to OSHA and GHS criteria.
No components need to be disclosed according to the applicable regulations.

4. FIRST AID

INHALATION: Remove to fresh air. If breathing is difficult, provide oxygen.

EYE CONTACT: Check and remove contact lenses. Flush with water in an eye wash station for at least 15 minutes, holding eyelids open. Obtain medical attention if symptoms or discomfort persist.

SKIN CONTACT: In case of contact, immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before use. No adverse effects expected.

INGESTION: If swallowed, wash out mouth with water if person is conscious. No adverse effects expected unless a very large quantity is ingested.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: For small fires use water spray, carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. May emit toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT FOR SPILL CONDITIONS: Use gloves and other appropriate protective covering to avoid skin contact. Use chemical goggles, face shield, or other appropriate eye protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

SPILL RESPONSE: Use appropriate absorbent material, place in bag and hold for waste disposal. Do not let product enter drains. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Store the reagent in a cool dry location, away from sources of heat and ignition. Avoid dust formation. Do not let product enter drains. Keep in suitable, closed containers for disposal. As with all chemicals of unknown hazardous effects, use good laboratory practice when handling this substance.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

For routine operations wear safety glasses, latex gloves and lab coat to avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling. Keep container tightly sealed. Facilities should have adequate ventilation to keep airborne concentrations low and an eyewash station should be accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid. Soluble in water.

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary conditions of use and storage.

INCOMPATIBILITIES: Strong oxidizing agents.

HAZARDOUS COMBUSTION: Hazardous decomposition products formed under fire conditions. -Carbon oxides, nitrogen oxides (NO_x).

HAZARDOUS POLYMERIZATION: Does not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: May cause skin or eye irritation. Ingestion may be harmful. Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. No toxicological information is available. No LD50/LC50 information found relating to normal routes of occupational exposure.

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

REPRODUCTIVE TOXICITY: No data available.

To the best of our knowledge the chemical, physical, and toxicological properties of this reagent have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Keep in sealed containers until final disposal. Product may be incinerated according to federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORTATION INFORMATION

DOT: This material is not a hazardous material as defined by 49CFR 172.101 by the U.S. DOT.

IATA: Non-hazardous for air transport.

IMDG: Non-hazardous material.

15. REGULATORY INFORMATION

OSHA: IRRITANT.

SARA 302: No; SARA 313, No; SARA311/312 Acute health hazard.

RTECS NO: AS3700000 Acrylamide, polymers

EUROPEAN: Caution: Substance not fully tested. IRRITANT.

16. OTHER INFORMATION

| | |
|---------------|---------------|
| Reviewed by | BW, MJ |
| Creation date | 11/18/09 |
| Revision date | 01/09/2019 SP |

Reason for Revision: Update to Globally Harmonized System of Chemical Classification.

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