

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** High Salt Precipitation Solution  
**Cat. No:** PS 161

**Molecular Research Center, Inc.**  
5645 Montgomery Rd.  
Cincinnati, Ohio 45212  
USA 1-888-841-0900  
Fax: 513-841-0080

**Product Name:** High Salt Precipitation Solution  
**Application:** Used in TRI Reagent protocol to decrease polysaccharide and proteoglycan contamination.  
**Chemical Formula:** A formulation containing sodium chloride and sodium citrate.

**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

No known OSHA hazards.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

### GHS Label elements

Pictogram none

Signal word none

### Precautionary statements

Code	Prevention precautionary statements
P233	Keep container tightly closed.
P264	Wash...thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P281	Use personal protective equipment as required.

**ACUTE EFFECTS:** Inhalation may cause respiratory tract irritation. Skin contact may result in mild irritation. Eye contact may cause irritation. Ingestion may cause gastrointestinal disturbances such as nausea and vomiting as well as exert a mild diuretic or laxative effect.

### HMIS Classification

Health Hazard 1  
Flammability 0  
Physical hazards 0  
PPE = B

### NFPA Rating

Health Hazard 1  
Fire 0  
Reactivity 0

## 3. COMPOSITION/Information on Ingredients

Component	Classification	Concentration
Sodium Chloride Synonyms: Common salt, table salt, sea salt, rock salt, sodium nonochloride	CAS-No 7647-14-5	< 10 %
Sodium Citrate Synonyms: Trisodium salt dehydrate, trisodium citrate dehydrate, dehydrate trisodium citrate	CAS No. 6132-04-3	< 3 %
Nonhazardous Components		> 60 %

#### 4. FIRST AID

**EYE CONTACT:** Check and remove contact lenses. Immediately flush eyes for at least 15 min with water. Occasionally lift upper and lower lids until chemical is removed.

**SKIN CONTACT:** Wash area with water and mild detergent. Remove contaminated clothing and shoes and wash before reuse.

**INHALATION:** Remove to fresh air and seek medical attention if necessary.

**INGESTION:** Give two to four glasses of water. Treat symptomatically; seek medical attention as required.

#### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Small fires can be extinguished with either dry chemical, carbon dioxide, halon, water spray or standard foam fire extinguishers. For larger fires, use water spray, fog or standard foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate clothing, gloves and eye protection to prevent repeated or prolonged exposure with this substance. Absorb spills with sand or vermiculite and place in containers for disposal. Ventilate area and wash spill site after material pickup is complete.

#### 7. HANDLING AND STORAGE

Keep containers tightly closed to avoid evaporation. Keep away from incompatible substances. Wear suitable gloves and eye/face protection and other protective clothing. Avoid contact with skin, eyes and clothing. Ensure access to safety shower and eye bath. Wash hands thoroughly after handling.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ROUTINE OPERATIONS:** Use good laboratory practice when handling this substance. Wear lab coat, safety glasses, and gloves as minimum protection. Wash hands after using the reagent.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Clear liquid with no odor
Solubility:	Soluble in water
Specific gravity:	> 1

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal temperature and pressure.

### **INCOMPATIBILITIES:**

Strong acids and oxidizing agents.

Hazardous combustion or decomposition products: toxic fumes of sodium oxide.

**OXIDIZERS (strong):** Fire and explosion hazard.

Aluminum: corrosive.

Iron: corrosive.

Zinc: corrosive.

Hazardous combustion or decomposition products: toxic sodium oxide, carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

The solution may be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation. Material is an irritant to mucous membranes and upper respiratory tract. Only selected data is presented here. To the best of our knowledge, all the properties of this formulation have not been investigated thoroughly.

## 12. ECOLOGICAL INFORMATION

No data available.

## 13. DISPOSAL CONSIDERATIONS

Observe all federal, state and local regulations when disposing of this product.

## 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.

## 15. REGULATORY INFORMATION

**OSHA Hazards:** No known OSHA hazards.

No Chemicals in the formulation are subject to reporting requirements of SARA Title III, Sections, 302,311/312 and 313.

## 16. OTHER INFORMATION

Reviewed by	BW, MJ
Creation date	12/04/96
Revision date	10/16/2023 SP

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

This information is believed to be accurate and represents the information currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.