

# MATERIAL 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

Product Name: High Salt Precipitation Solution.  
Chemical Formula: A formulation; contains sodium chloride and sodium citrate.

NFPA RATINGS: (scale 0-4) Health=1 Fire=0 Reactivity=0  
HMIS RATINGS: (scale 0-4) Health=1 Fire=0 Reactivity=0 PPE=B

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

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Percent
Sodium Chloride	7647-14-5	<10%
Synonyms: Common salt, table salt, sea salt, rock salt, halite, sodium monochloride, saline.		
Sodium Citrate	6132-04-3	<30%
Synonyms: Trisodium salt dihydrate, trisodium citrate dihydrate, trisodium citrate.		
Nonhazardous Components	NA 0004	>60%

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## 3. HEALTH HAZARD IDENTIFICATION

**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.

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## 4. FIRST AID

**EYE CONTACT:** Immediately flush eyes for at least 15 min with water or normal saline. 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:** Dry chemical. Carbon dioxide, halon, water spray or standard foam fire extinguishers for small fires. 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.

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## 6. ACCIDENTAL RELEASE MEASURES

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

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## 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.

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## 8. EXPOSURE CONTROLS/ 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

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## 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.

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## 11. TOXICOLOGICAL INFORMATION

RTECS # VZ47250000

**TOXICITY DATA: Rabbit** (skin) 500 mg/24 hours mild irritation, (eye) 100 mg/24 hours moderate irritation, **Rat:** oral LD50= 3 g/kg. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

## 12. ECOLOGICAL INFORMATION

Not available.

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## 13. DISPOSAL CONSIDERATIONS

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

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## 14. TRANSPORTATION INFORMATION

Not available.

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## 15. REGULATORY INFORMATION

Not available.

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<b>16. OTHER INFORMATION</b>	Reviewed by	BW, MJ
	Creation date	12/04/96
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### Abbreviations:

N/A	Not Available
N.D.A	No data available
TLV-STEL	Threshold Limit Values (Short-Term Exposure Limit)
TLV-TWA	Threshold Limit Values (Time-Weighted Average)
OSHA PEL-TWA	OSHA Permissible Exposure Level