



# Safety Data Sheet

Better Chemistry. Better Business

**NEUTRAL SALT RECTIFIER #2**

**Revised:** 5/20/21

## 1 IDENTIFICATION

**Product Name:** NEUTRAL SALT RECTIFIER #2

**Product Code :**2282019

**Recommended use of the chemical and restrictions on use:**Industrial applications

### Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

**Telephone:** 203-756-5521

**Fax number:** 203-756-9017

Emergency Phone Number

**CHEMTREC:** 1 (800) 424-9300

**International:** 1 (703) 527-3887

## 2 HAZARDS IDENTIFICATION



**Signal Word:** WARNING

**Hazard Category:** Eye Damage/Irritation Hazard Category 2A

Acute Toxicity-Oral Hazard Category 3

**Hazard Statements:** Causes serious eye irritation.

Toxic if swallowed.

**Prevention:** Wash skin thoroughly after handling.

Wear rubber protective gloves and goggles.

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

**Response:** If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing. If eye irritation persists, get medical attention

If swallowed: Immediately call poison center or doctor.

Rinse Mouth.

**Disposal:** Once container is emptied, check with local, state, or federal authorities to be sure it is suitable for reconditioning or disposal.

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Ammonium Chloride	-	12125-02-9	25%
Barium Chloride	-	10361-37-2	~52%

### 4 FIRST AID

#### After Skin Contact:

If on skin: Wash with plenty of water.

#### After Eye Contact:

If in eyes: wash with plenty of water and get medical attention if burned or irritated.

#### After Ingestion:

Induce vomiting immediately, as directed by medical personnel. Give Epsom salts (magnesium sulfate) or Glauber's Salt sodium sulfate) dissolved in water. Never give anything by mouth to an unconscious person.

#### Most Important Symptoms/Effects

##### Eye:

Irritation of eyes and skin.

##### Ingestion:

Toxic if swallowed

### 5 FIRE FIGHTING MEASURES

#### Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

#### Specific hazards arising from the chemical:

When fighting fires in areas where this product is being used in molten state, contact with water will result in violent reaction. (product used in molten state at temperature > 1000 °F)

#### Special protective equipment and precautions for firefighter

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

### 6 ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, & Emergency Proc

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#### Methods and Materials for containment & cleaning up:

Sweep up and return to container

### 7 HANDLING AND STORAGE

#### Precautions for safe handling:

Keep container tightly closed.

#### Conditions for safe storage, inc any incompatibilities:

Store in cool dry place.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Name	Std.	TWA-8hrs	STEL - 15 min.
Ammonium Chloride	ACGIH	10 mg/m <sup>3</sup>	
Barium Chloride	ACGIH	0.76 mg/m <sup>3</sup>	-

ACGIH - American Control of Governmental Hygenists

OSHA - Occupational Safety and Health Administration

**Protective Gloves:** Thermal resistant leather**Eye Protection:** Wear chemical safety goggles with face shield.**9 PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** White to off-white granular mixture**Odor:** No odor**Odor Threshold:** N/A**PH:** 4-7**Melting Point/Freezing Point:** N/A**Initial Boiling Point and Boiling Range:** N/A**Flash Point:** N/A**Evaporation Rate:** N/A**Flammability (solid, gas):** N/A**Upper/Lower flammability or explosive limits:** N/A**Vapor Pressure:** N/A**Vapor Density:** N/A**Relative Density:** N/A**Solubility (ies):** Complete in water**Partition Coefficient; n-octanol/water:** N/A**Auto-ignition Temperature:** N/A**Decomposition Temperature:** N/A**Viscosity:** N/A**10 STABILITY AND REACTIVITY****Conditions to Avoid:** Contact with incompatible materials when use in molten state.**Incompatible Materials:** When in use in molten state material is incompatible with all chemicals except other heat transfer salts.**11 TOXICOLOGICAL INFORMATION****Oral Administration:** Ammonium Chloride-LD50(Rat)-1650 mg/kg**Oral Administration:** Barium Chloride LD50(Rat- 118 mg/kg**Dermal administration:** Not established for this product**Irritation:** May cause irritation to skin and eyes.**Delayed effects:** NA**Cancer Hazard:** Not listed by IARC, NTP, OSHA, ACGIH**Routes of Exposure** Eyes, Skin, Inhalation, Ingestion

## 12 ECOLOGICAL INFORMATION

Daphnia Magna,	no data available
Persistence and Degradability:	Not Available
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

## 13 DISPOSAL CONSIDERATION

*Dispose of in accordance with local, state and federal regulations.*

## 14 TRANSPORT INFORMATION

UN Proper Shipping Name: NOT DOT REGULATED

## 15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0

Sara Hazard Classification	Barium Compounds-SARA 313 listed
Proposition 65	No Proposition 65 listed components in this formula
TSCA Inventory Status	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

## 16 OTHER INFORMATION

**Disclaimer:** The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.