



# Safety Data Sheet

Better Chemistry. Better Business

## UNICAT MAGMA SALT

Revised: 2/15/2018

### 1 IDENTIFICATION

Product Name: UNICAT MAGMA SALT  
Product Code :2281023

**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:** DANGER

**Hazard Category:** Oxidizing Solid Hazard Category 3  
Acute Toxicity-Oral Hazard Category 3  
Eye Damage/Irritation Hazard Category 2A  
Acute Aquatic Toxicity-Category 1  
Chronic Aquatic Toxicity-Category 1

**Hazard Statements:** May intensify fire, oxidizer  
Toxic if swallowed.  
Causes serious eye irritation.  
Very toxic to aquatic life with long lasting effects.

**Prevention:** Keep away from heat.  
Keep/Store away from clothing and other combustible material.  
Take any precaution to avoid mixing with combustibles.  
Wash skin thoroughly after handling.  
Do not eat, drink, or smoke when using this product.  
Wear rubber protective gloves and goggles.  
Avoid releases to the environment

**Response:** In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.  
If swallowed: Immediately call poison center or doctor.  
Rinse Mouth

If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

Collect spillage

**Disposal:** Dispose of contents/container in accordance with local, regional, national, or international regulations.

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Potassium Nitrate	Nitrate of Potash	7757-79-1	Approx 50%
Sodium Nitrite		7632-00-0	Approx 50%

### 4 FIRST AID

**After Skin Contact:**

If on skin: Wash with water and get medical attention if burned or irritated.

**After Eye Contact:**

Immediately flush with cool clean water for at least 15 minutes. Contact physician.

**After Ingestion:**

If swallowed: Rinse mouth. Call a doctor.

#### Most Important Symptoms/Effects

**Eye:**

Irritation of eye, skin, and or respiratory system.

**Indication of immediate medical attention:**

Severe eye and or skin irritation or burns.

### 5 FIRE FIGHTING MEASURES

**Suitable and Unsuitable extinguishing media:** In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

**Specific hazards arising from the chemical:** Nitrogen oxides may be produced.

**Special protective equipment and precautions for firefighter** Wear self-contained breathing apparatus for fire fighting if necessary.

### 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, & Emergency Proc** Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

**Methods and Materials for containment & cleaning up:** If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

### 7 HANDLING AND STORAGE

**Precautions for safe handling:** Keep container tightly closed.  
Use in well ventilated area.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Potassium Nitrate		NA	
Sodium Nitrite		NA	

ACGIH - American Control of Governmental Hygenists  
OSHA - Occupational Safety and Health Administration

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White Granular mixture
<b>Odor:</b>	No odor
<b>Odor Threshold:</b>	N/A
<b>PH:</b>	6.5- 8.5
<b>Melting Point/Freezing Point:</b>	Approx 275° F
<b>Initial Boiling Point and Boiling Range:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Flammability (solid, gas):</b>	Non flammable
<b>Upper/Lower flammability or explosive limits:</b>	None
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility (ies):</b>	Complete in water
<b>Partition Coefficient; n-octanol/water:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Low
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	May explode if heated to decomposition temperature of 600° C
<b>Conditions to Avoid:</b>	Contact with incompatible materials. Keep away from Flammable, combustible and reducing substances.
<b>Incompatible Materials:</b>	Reducing agents, other oxidizers, acids, cyanide compounds, cyanate compounds, thiosulfates, amonium compounds and amines.

## 11 TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Headache, nausea, incoordination. Absorption into the body leads to the formation of methemoglobin which in sufficient concentrations causes cyanosis-Onset may be delayed by 2 to 4 hours or longer.
<b>Immediate effects:</b>	Irritation of skin and eyes.
<b>Cancer Hazard:</b>	IARC-2A--Group 2A: Probably carcinogenic to humans (Sodium Nitrite)

## 12 ECOLOGICAL INFORMATION

<b>Fish, Oncorhynchus mykiss</b>	Sodium Nitrite----flow through test LC50 - 0.94-1.92 mg/L - 96 hrs
<b>Daphnia Magna,</b>	Sodium Nitrite--EC50--12.5mg/L - 48 hrs
<b>Persistence and Degradability:</b>	Not Available
<b>Bioaccumulation potential:</b>	No data available
<b>Water result:</b>	Pronounced solubility and mobility
<b>Other adverse effects(such as hazardous to the ozone layer):</b>	Toxic to fish

## 13 DISPOSAL CONSIDERATION

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

## 14 TRANSPORT INFORMATION

<b>UN Number:</b>	1487
<b>UN Proper Shipping Name:</b>	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURES
<b>Transport Hazard Class (es):</b>	5.1
<b>Packing Group:</b>	II
<b>ERG:</b>	140
<b>Marine Pollutant(Y/N):</b>	N/A

## 15 REGULATORY INFORMATION

**HMIS: Health: 2 Flammability: 0 Reactivity: 4**

**Cercla** 250 lbs (Sodium Nitrite 40%)

**Sara Hazard Classification** Sodium Nitrite-SARA 313 listed

## 16 OTHER INFORMATION

No **RoHS** or **REACH SVHC** are contained in this product.

**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.

**Date Prepared:** 8/4/2014