



# Alpha Chemika



ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION

## MATERIAL SAFETY DATA SHEET

## MSDS

Savgan Heights : 102 ,B Wing ; R.T.O. Lane ,Andheri (West) Mumbai - 400053 , INDIA

### Section 1 - Chemical Product and Company Identification

**Product Name : 1-HYDROXY BENZOTRIAZOLE 98% (hydrate)**

**Synonyms:**

**CAS No.:** 123333-53-9

**Molecular Weight:** 135.13

**Chemical Formula:** C<sub>6</sub>H<sub>5</sub>N<sub>3</sub>O.xH<sub>2</sub>O

### Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
1-hydroxy benzotriazole	123333-53-9	98-100%	Yes

### Section 3 - Hazardous Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Heating may cause an explosion. Highly flammable.

### Section 4 - First Aid Measures

#### AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Call a physician.

#### AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## **AFTER INGESTION**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

## **Section 5 - Fire Fighting Measures**

### **EXPLOSION DATA**

Sensitivity to Mechanical Impact: Test results indicate that this compound is not considered sensitive to friction as defined by DOT/UN standards.

### **EXTINGUISHING MEDIA**

Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

### **SPECIAL RISKS**

Specific Hazard(s): Flammable solid. Emits toxic fumes under fire conditions.

### **SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## **Section 6 - Accidental Release Measures**

### **PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL**

Evacuate area. Shut off all sources of ignition. Use nonsparking tools.

### **PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

### **METHODS FOR CLEANING UP**

Avoid raising dust. Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

## **Section 7 - Handling and Storage**

### **HANDLING**

Directions for Safe Handling: Avoid contact with eyes, skin, and clothing. Avoid breathing dust. Avoid prolonged or repeated exposure.

### **STORAGE**

Conditions of Storage: Keep container closed. Keep away from heat, sparks, and open flame.

**SPECIAL REQUIREMENTS:** May explode when heated. Heat sensitive

## Section 8 - Exposure Controls, Personal Protection

### ENGINEERING CONTROLS

Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

## Section 9 - Physical and Chemical Properties

Appearance Physical State: Solid

Property Value At Temperature or Pressure

pH N/A

BP/BP Range N/A

MP/MP Range 155.0 - 158.0 °C

Flash Point N/A

Flammability N/A

Autoignition Temp N/A

Oxidizing Properties N/A

Explosive Properties N/A

Explosion Limits N/A

Vapor Pressure N/A

Partition Coefficient N/A

Viscosity N/A

Vapor Density N/A

Saturated Vapor Conc. N/A

Evaporation Rate N/A

Bulk Density N/A

Decomposition Temp. N/A

Solvent Content N/A

Water Content N/A

Surface Tension N/A

Conductivity N/A

Miscellaneous Data N/A

Solubility N/A

## Section 10 - Stability and Reactivity

### STABILITY

Stable: Unstable.

Conditions to Avoid: Heat. Explodes when heated.

Materials to Avoid: Strong oxidizing agents, Metals, Strong acids, Acid chlorides, Acid anhydrides.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

## Section 11 - Toxicological Information

### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

## Section 12 - Ecological Information

No data available.

## Section 13 - Disposal Considerations

### SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

## Section 14 - Transport Information

RID/ADR

UN#: 3380

Class: 4.1

PG: I

Proper Shipping Name: Desensitized explosive, solid, n.o.s.

IMDG

UN#: 3380

Class: 4.1

PG: I

Proper Shipping Name: Desensitized explosive, solid, n.o.s.

Marine Pollutant: No

Severe Marine Pollutant: No

Technical Name: Required

IATA

UN#: 3380

Class: 4.1

PG: I

Proper Shipping Name: Desensitized explosive, solid,  
n.o.s.

Inhalation Packing Group I: No

Technical Name: Required

## Section 15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: F

Highly Flammable.

R-PHRASES: 5-11

Heating may cause an explosion. Highly flammable.

S-PHRASES: 15-16-35

Keep away from heat. Keep away from sources of ignition - no  
smoking. This material and its container must be disposed of in  
a safe way.

COUNTRY SPECIFIC INFORMATION

Germany

WGK: No hazard to waters.

Self-Classification

## Section 16 - Additional Information

**Not Available**