

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-122/12230-71-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

12230-71-6

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

BARIUM HYDROXIDE OCTAHYDRATE (SARA III) 1

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

0.5 MG/M3 (BA)

**Code:**

M

**OSHA STEL:**

N/P

**Code:**

**ACGIH TLV:**

0.5 MG/M3 (BA) 9394

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE NIOSH/MSHA-APPROVED RESPIRATOR.

**Ventilation:**

USE ONLY IN A CHEMICAL FUME HOOD.

**Protective Gloves:**

HEAVY RUBBER GLOVES

**Eye Protection:**

WEAR CHEMICAL SAFETY GOGGLES.

**Other Protective Equipment:**

Equipment RUBBER BOOTS, SAFETY SHOWER AND EYE BATH.

**Work Hygienic Practices:**

WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**

NONE 3

## Health Hazards Data

**LD50/LC50 Mixture:**

NOT PROVIDED.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

N/P

**IARC:**

N/P

**OSHA:**

N/P

**Health Hazards Acute And Chronic:**

TARGET ORGANS: HEART, NERVES, KIDNEYS, G.I. SYSTEM, BONE MARROW, SPLEEN, LIVER. ACUTE EFFECTS: HIGHLY TOXIC AND CORROSIVE. MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, SOOTY DISCHARGE, AND CONGESTION.

**Explanation Of Carcinogenicity:**

NOT PROVIDED.

**Signs And Symptoms Of Overexposure:**

NOT PROVIDED.

**Medical Cond Aggravated By Exposure:**

NOT PROVIDED.

**First Aid:**

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHES AND SHOES. ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS WITH FINGERS. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

**Spill Release Procedures:**

EVACUATE AREA. WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN BAG AND HOLD FOR WASTE DISPOSAL. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICK UP IS COMPLETE.

**Neutralizing Agent:**

DILUTE SULFURIC ACID

**Waste Disposal Methods:**

TO A SOLUTION OF PRODUCT IN WATER, ADD AN EXCESS OF DILUTE SULFURIC ACID. LET STAND OVERNIGHT. REMOVE ANY INSOLUBLES AND BURY IN A LANDFILL SITE APPROVED FOR HAZARDOUS WASTE DISPOSAL. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

**Handling And Storage Precautions:**

2 STORE IN A COOL DRY PLACE. KEEP CONTAINER CLOSED. USE ONLY IN A CHEMICAL FUME HOOD.

**Other Precautions:**

HIGHLY TOXIC. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

NONCOMBUSTIBLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

UNKNOWN

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

**Fire Fighting Procedures:**

DO NOT ENTER ANY ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST THE HAZARDOUS EFFECTS OF THE NORMAL PRODUCTS OF COMBUSTION OR OXYGEN DEFICIENCY.

**Unusual Fire/Explosion Hazard:**

NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**

T4

**NRC/State LIC No:**

N/R

**Net Prop WT For Ammo:**

N/A

**Boiling Point:**

NONCOMBUSTIBLE

**B.P. Text:**

UNKNOWN

**Melt/Freeze Pt:**

=78.0C, 172.4F

**M.P/F.P Text:**

N/P

**Decomp Temp:**

NONCOMBUSTIBLE

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

UNKNOWN

**Vapor Density:**

UNKNOWN

**Volatile Org Content %:**

N/A

**Spec Gravity:**

2.180

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

N/P

**Appearance and Odor:**

WHITE CRYSTALLINE POWDER.

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

**Medical Cond Aggravated By Exposure:**

NOT PROVIDED.

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