

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-681/68131-04-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
68131-04-4  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
SODIUM HUMATE

**Other REC Limits:**  
NOT ESTABLISHED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
5 RESPIRATORY PROTECTION NOT NORMALLY NEEDED.USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED.IN ENCLOSED SPACES WITH INADEQUATE VENTILATION WEAR SCBA.

**Ventilation:**  
LOCAL/GENERAL TO MAINTAIN PEL/TLV.

**Protective Gloves:**  
PROTECTIVE GLOVES OR BARRIER CREAM.

**Eye Protection:**  
SAFETY GLASSES W/SIDE SHIELD OR GOGGLES.

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES.

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING.DO NOT SHAKE CLOTHING.REMOVE DUST BY WASHING OR VACUUMING.LAUNDER BEFORE REUSE.

**Supplemental Safety and Health:**  
NONE.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
N/P

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES AND SKIN: MAY CAUSE IRRITATION WITH PROLONGED CONTACT . INHALATION: MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT AND LUNGS.

**Explanation Of Carcinogenicity:**  
NOT APPLICABLE

**Signs And Symptoms Of Overexposure:**  
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY SYMPTOMS FROM EXPOSURE

**Medical Cond Aggravated By Exposure:**  
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY WORSENING OF EXISTING CONDITIONS.

**First Aid:**  
EYES:FLUSH WITH PLENTY OF WATER.IF IRRITATION PERSISTS,SEE DOCTOR. SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER.IF IRRITATION PERSISTS SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR.GIVE CPR /OXYGEN IF NEEDED.SEE DOCTOR. INGESTION:DRINK LARGE AMOUNT OF WATER,DO NOT INDUCE VOMIT.SEE DOCTOR.NOTHING BY MOUTH IF UNCONSCIOUS.

**Spill Release Procedures:**  
VENTILATE.CLEAN UP USING METHODS THAT AVOID DUST GENERATION SUCH AS VACUUM,WET DUST MOP OR WET CLEAN UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.IF DUST IS GENERATED USE NIOSH/MSHA APPROVE D RESPIRATOR WITH DUST CARTRIDGE. 4

**Neutralizing Agent:**  
N/R

**Waste Disposal Methods:**  
NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN COVERED CONTAINERS PENDING DISPOSAL.DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS. AS A NON-HAZARDOUS WASTE,IT CAN BE DISPOSED OF I N A SANITARY LANDFILL.

**Handling And Storage Precautions:**  
STORE IN COOL,DRY,WELL VENTILATED AREA.PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT.KEEP CONTAINERS TIGHTLY CLOSED.

**Other Precautions:**  
WASH THOROUGHLY AFTER EACH USE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NOT APPLICABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/A

**Upper Limits:**  
N/A

**Extinguishing Media:**  
DRY SAND,DRY DOLOMITE,ABC TYPE FIRE EXTINGUISHER OR FLOOD WITH WATER.

**Fire Fighting Procedures:**  
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

**Unusual Fire/Explosion Hazard:**  
MAY EVOLVE SULFUR OXIDES UNDER FIRE.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**  
6

**PH:** 11@ 3%

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/R

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
DARD BROWN POWDER

**Percent Volatiles by Volume:**  
N/P

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES

**Materials To Avoid:**  
NONE KNOWN.

**Hazardous Decomposition Products:**  
IN CASE OF FIRE,CO,CO2,OXIDES OF SULFUR.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P