## MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Click <a href="http://www.lookchem.com/cas-104/10450-60-9.html">http://www.lookchem.com/cas-104/10450-60-9.html</a> for suppliers of this product.

Cas: 10450-60-9 Code: Μ

Composition/Information on Ingredient

**RTECS:** 

Code: Μ **OSHA STEL:** Code:

NIOSH APPROVED. FOR CONDITIONS OF USE WHERE EXPOSURE TO THE DUST IS APPARENT, A DUST/MIST

Equipment PROTECTIVE CLOTHING, MAINTAIN EYE WASH FOUNTAIN &QUICK-DRENCH FAILITIES IN WORK AREA.

WASH CLOTHING BEFORE REUSE. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/THIS MATERIAL.

SPILL CONT. IF MANGANESE/CHROMIUM/MOLYBDENUM PRESENT ADJUST PH OF SOLUTION TO 7 & TREAT W/SULFIDE TO PRECIPITATE FOR BURIAL AS HAZARDOUS WASTE. DESTROY SULFIDE, NEUTRALIZE & FLUSH DOWN THE DRAIN.

INGESTION: CAUSES BURNS TO TISSUES. INHALATION: INHALATION OF DUST IS DESTRUCTIVE TO THE MUCOUS MEMBRANES & UPPER

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT/GIVE OXYGEN. INGESTION: CALL A PHYSICIAN IMMEDIATELY. SKIN: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVINGCONTAMINATED CLOTHING/SHOES. EYES: WASH W/PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER/UPPER

EVACUATE AREA. WEAR SCBA, RUBBER BOOTS & HEAVY RUBBER GLOVES. COVER W/DRY LIME/SODA ASH. PICK UP. KEEP IN CLOSED

ACIDIFY A 3% SOLUTION TO PH 2 W/SULFURIC ACID. GRADUALLY ADD A 50% EXCESS OF AQUEOUS SODIUM BISULFITE W/STIRRING AT ROOM TEMPERATURE. IF NO REACTION OBSERVED, CAUTIOUSLY ADD MORE ACID. FLUSH NEUTRALIZ ED SOLUTION DOWN THE DRAIN.

KEEP IN A TIGHTLY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. ISOLATE

WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED SCBA W/FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND/OTHER

SOLUTIONS OF PERIODIC ACID IN METHYL SULFOXIDE (DMSO) HAVE BEEN REPORTED TO EXPLODE AFTER STANDING A FEW MINS.

CONTAINER & HOLD FOR WASTE DISPOSAL, VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PI CKUP IS COMPLETE.

RESPIRATORY TRACT, MAY BE FATAL AS A RESULT OF SPASM, INFLAMMATION & EDEMA OF THE LARY NX & BRONCHI. SKIN:

CORROSIVE, CAUSES BURNS, MAY BE ABSORBED THROUGH THE SKIN. EYES: CORROSIVE, CAUSES BURNS.

RESPIRATOR MAY BE WORN. FOR EMERGENCIES, A SCBA MAY BE NECESSARY.

ENSU RE COMPLIANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

PERIODIC ACID **Other REC Limits:** NK **OSHA PEL:** NK

Code: Χ Name:

N/K **Vapor Pres:** N/K Vapor Density: N/K

N/K **VOC Pounds/Gallon:** PH: N/K **VOC Grams/Liter:** 

- Viscosity: N/P **Evaporation Rate & Reference:** N/K Solubility in Water:
- **Appearance and Odor:** WHITE TO PALE YELLOW CRYSTALS W/FAINT CHARACTERISTIC ODOR. **Percent Volatiles by Volume:** N/K **Corrosion Rate:** N/K

MAY EMIT HYDROGEN IODIDE WHEN HEATED TO DECOMPOSITION.

STRONG REDUCING AGENTS, FINELY POWDERED METALS, STRONG BASES, OTHER COMBUSTIBLE MATERIALS.

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

WARRANTY

terms and conditions of sale.

**NONE Signs And Symptions Of Overexposure:** INHALATION: COUGHING, WHEEZING, HEADACHE, NAUSEA, VOMITING MAY OCCUR. **Medical Cond Aggravated By Exposure:** 

**Spill Release Procedures:** 

AQUEOUS SODIUM BISULFITE

**Handling And Storage Precautions:** 

FROM INCOMPATIBLE SUBSTANCES.

DON'T STORE ON WOODEN FLOOR.

Fire and Explosion Hazard Information

**Waste Disposal Methods:** 

Neutralizing Agent:

**Other Precautions:** 

Flash Point Method:

N/P

N/A

N/K

N/K

HCC:

NRC/State LIC No:

**Boiling Point:** 

Melt/Freeze Pt:

M.P/F.P Text:

**Decomp Temp:** 

**Decomp Text:** 

**Spec Gravity:** 

**COMPLETE** 

Reactivity Data

**Stability Condition To Avoid:** 

**Hazardous Decomposition Products:** 

**Hazardous Polymerization Indicator:** 

**Conditions To Avoid Polymerization:** 

**Toxicological Information** 

Regulatory Information

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

Federal Regulatory Information: N/P

**State Regulatory Information:** N/P

Other Information

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Other Information:N/P

**MSDS Transport Information** 

**Stability Indicator:** 

**Materials To Avoid:** 

YES

N/K

N/K

Information:N/P

Information:N/P

**Volatile Org Content %:** 

252F

**B.P. Text:** 266-284F

**Net Prop WT For Ammo:** 

**Lower Limits:** 

**Upper Limits:** 

**Extinguishing Media:** WATER/WATER SPRAY.

Fire Fighting Procedures:

POSITIVE PRESSURE MODE.

**Unusual Fire/Explosion Hazard:** 

DANGER: CONTACT W/OTHER MATERIAL MAY CAUSE FIRE.

Physical/Chemical Properties

Flash Point:

**Flash Point Text:** NOT COMBUSTIBLE

**Autoignition Temp:** 

**Autoignition Temp Text:** 

EYELIDS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Explanation Of Carcinogenicity:** 

**Health Hazards Acute And Chronic:** 

**ACGIH TLV:** 

**ACGIHSTEL:** 

**Ventilation:** 

LOCAL EXHAUST

Protective Gloves:

**Eye Protection:** 

PROTECTIVE GLOVES

CHEMICAL SAFETY GOGGLES.

**Supplemental Safety and Health:** 

Health Hazards Data

**Route Of Entry Inds - Inhalation:** 

**Carcinogenicity Inds - NTP:** 

**Other Protective Equipment:** 

**Work Hygienic Practices:** 

LD50LC50Mixture:

N/K

YES

Skin: YES

YES

NO

IARC: NO

OSHA:

N/K

First Aid:

Ingestion:

1 ACGIH STEL:

**Control Measures** 

**Respiratory Protection:** 

Code:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

ΝK Code: M N/P