

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-164/1646-87-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1646-87-3

**Code:**  
M

**RTECS:**  
UE2075000

**Code:**  
M

**Name:**  
PROPIONALDEHYDE, 2-METHYL-2-(METHYLSULFINYL)-, O-

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
USE APPROPRIATE OSHA/MSHA APPROVED SAFETY EQUIPMENT.

**Ventilation:**  
USE ONLY IN A HOOD.

**Protective Gloves:**  
N/K

**Eye Protection:**  
EYE SHIELDS

**Other Protective Equipment:**  
Equipment N/K

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PRODUCT READILY ABSORB &RETAINS ON CLOTHING/SHOES.

**Supplemental Safety and Health:**  
FIRST AID CONT'D: DON'T USE PRALIDOXIME CHLORIDE. OBTAIN MEDICAL ATTENTION IN ALL CASES. MELTING POINT: 217.4-222.8F.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
MAYBE FATAL IF ABSORBED THROUGH THE SKIN. INHALED/SWALLOWED. POSSIBLE CHOLINESTERASE INHIBITOR, MAY CAUSE AIRWAY OBSTRUCTION/INCREASED MUCOUS SECRETION IN THE LUNGS. CAN CAUSE EYE, SKIN & RESPIRATORY TRACT & MUCOUS MEMBRANE IRRITATION.

**Explanation Of Carcinogenicity:**  
N/K

**Signs And Symptions Of Overexposure:**  
IRRITATION, SEIZURES, NAUSEA, VOMITING.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
EYES: FLUSH W/WATER FOR 15-20 MINS. SKIN: FLUSH W/WATER FOR 15-20 MINS. IF NO BURNS HAVE OCCURRED-USE SOAP & WATER TO CLEANSE. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. KEEP WARM & Q UIET. INGESTION: DON'T GIVE LIQUIDS/INDUCE VOMITING TO AN UNCONSCIOUS/CONVULSIVE PERSON. IF VOMITING WATCH CLOSELY SO AIRWAY DOESN'T BECOME OBSTRUCTED. ANTIDOTE: ATROPINE SULFATE. (SEE SUPP)

**Spill Release Procedures:**  
EVACUATE AREA. WEAR APPROPRIATE OSHA EQUIPMENT. VENTILATE AREA. SWEEP UP & PLACE IN AN APPROPRIATE CONTAINER. HOLD FOR DISPOSAL. WASH CONTAMINATED SURFACES TO REMOVE ANY RESIDUES.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
BURN IN A CHEMICAL INCINERATOR EQUIPPED W/AN AFTERBURNER & SCRUBBER. IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE ONLY W/COMPATIBLE CHEMICALS. STORE UNDER FEFRIGERATION. KEEP TIGHTLY CLOSED IN A COOL DRY PLACE.

**Other Precautions:**  
AVOID CONTACT W/SKIN, EYES & CLOTHING. CONTACT LENSES SHOULD NOT BE WORN IN LABORATORY. ALL CHEMICALS SHOULD BE CONSIDERED HAZARDOUS-AVOID DIRECT PHYSICAL CONTACT. THIS 2 PRODUCT IS FOR LABORATORY USE O NLY.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
CO2, DRY CHEMICAL POWDER. DON'T USE WATER.

**Fire Fighting Procedures:**  
N/K

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**  
3

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
(SEE SUPP)

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
COLORLESS CRYSTALLINE SOLID W/NO ODOR

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT

**Materials To Avoid:**  
STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS &LIBERATES TOXIC FUMES.

**Hazardous Polymerization Indicator:**  
NO

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

## 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



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WARRANTY

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