

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/13194-48-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
13194-48-4  
**Code:**  
M

**RTECS:**  
TE4025000  
**Code:**  
M

**Name:**  
ETHOPROP

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem  
**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
USE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR W/APPROPRIATE CARTRIDGE.

**Ventilation:**  
ADEQUATE & LOCAL EXHAUST

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
GOGGLES &FACE SHIELD

**Other Protective Equipment:**  
Equipment EYE WASH FOUNTAIN, SAFETY SHOWE &OXYGEN CYLINDER OR OXYGEN RESUSCITATOR.

**Work Hygienic Practices:**  
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. DISCARD CONTAMINATED SHOES. WASH THROUGHLY HANDS/FACE/ARMS. 3

**Supplemental Safety and Health:**  
PHYSICIAN NOTE: SUPPORT RESPIRATION. IF CYANOSIS IS ABSENT , GIVE ATROPINE 2-4 MG INTRAVENOUSLY. START 2-PAM AT SAME TIME. A SECOND DOSE MAY BE GIVEN AFTER ONE HOUR IF MUSCLE WEAKNESS PERSISTS.

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50(RAT): 348 MG/KG

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INGESTION: HARMFUL. EYES: BURN/HARMFUL. SKIN: HARMFUL ABSORPTION. INHALATION: HARMFUL/CHOLINESTERASE INHIBITOR/NAUSEA/VOMITING/ABDOMINAL CRAMP/DIARRHEA/SALIVATION/HEADACHE/DIZZINESS/WEAK/BLURRED VISIO N/TEAR/MUSCLE UNCOORDINATION & TWITCH/SLURRED SPEECH/MENTAL CONFUSION/DROWSINESS/NOSE RUNS/BREATHING DIFFICULTY.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
INGESTION: FATAL. EYES: FATAL. SKIN: TOXIC/FATAL ABSORPTION. INHALATION: TOXIC/FATAL/CHOLINESTERASE INHIBITOR/DIARRHEA/PIN-POINT & NON-REACTIVE PUPILS/RESPIRATORY DIFFICULTY/PULMONARY EDEMA/CYANOSIS/L OSS OF SPHINCTER CONTROL/CONVULSIONS/COMA.

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

**First Aid:**  
EYES: WASH W/WATER. SKIN: WASH W/WATER & SOAP. WASH W/95% ETHYL ALCOHOL. INHALATION: REMOVE TO FRESH AIR. GIVE CPR. INGESTION: DRINK 1 OR 2 GLASSES OF WATER/INDUCE VOMITING BY TOUCHING BACK OF THROAT W/FINGER. DON'T INDUCE VOMITING OR GIVEANYTHING BY MOUTH IF UNCONSCIOUS. PERSONS PROVIDING FIRST AID SHOULD PREVENT CONTAMINATION OF THEMSELVES. OBTAIN MEDICAL ATTENTION IN ALL CASES. SEE SUPP

**Spill Release Procedures:**  
ADD HYDRATED LIME/SODA ASH TO CONTAMINATED AREA & MOISTEN W/WATER . SHOVEL SPILLAGE INTO STEEL DRUMS. FLUSH AREA W/5% SODIUM HYDROXIDE OR TRISODIUM PHOSPHATE. ABSORB WASHING & ADD TO DRUM & SEAL.

**Neutralizing Agent:**  
2 N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
WASH HANDS/ARMS/FACE THROUGHLY W/SOAP & WATER AFTER & BEFORE EATING/DRINKING/SMOKING/ OR USING THE TOILET. STABLE FOR AT LEAST 2 YEARS.

**Other Precautions:**  
KEEP TIGHTLY CLOSED CONTAINERS IN A COOL, DRY PLACE. KEEP OUT OF REACH OF CHILDREN & ANIMALS. DON'T CONTAMINATER WATER SOURCES.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
WATER FOG, FOAM, CO2, DRY CHEMICAL

**Fire Fighting Procedures:**  
USE SELF-CONTAINED BREATHING APPARATUS & RECOMMENDED PROTECTIVE EQUIPMENT

**Unusual Fire/Explosion Hazard:**  
NONE

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**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:**  
N/K

**Vapor Pres:**  
<0.1

**Vapor Density:**  
N/R

**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:**  
INSOLUBLE

**Appearance and Odor:**  
TAN/GREY/MERCAPTAN ODOR

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT

**Materials To Avoid:**  
BASE, OXIDIAING MATERIAL, STRONG OXIDIZERS &ALKALI.

**Hazardous Decomposition Products:**  
ALKALINE HYDROLYSIS, OXIDES, PHOSPHORUS, SULFUR &CARBON.

**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