

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-142/142-59-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

142-59-6

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

ETHYLENEBIS(DITHIOCARBAMIC ACID) DISODIUM SALT (S)

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE PROTECTIVE EQUIPMENT IAW 29 CFR 1910.134. USE RESPIRATORS WITHIN LIMITATIONS OF USE OR ELSE SUPPLIED AIR RESPIRATORS OR SCBA.

**Ventilation:**

ADEQUATE VENTILATION.

**Protective Gloves:**

NEOPRENE

**Eye Protection:**

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

**Other Protective Equipment:**

Equipment DLA-HMIS: EYE WASH STATION SAFETY SHOWER. CLOTHING TO PREVENT PROLONGED/REPEATED SKIN CONTACT.

**Work Hygienic Practices:**

WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

**Supplemental Safety and Health:**

THIS PRODUCT CONTAINS THESE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE TOXICITY: ETHYLENE THIOUREA (96-45-7).

## Health Hazards Data

**LD50/LC50 Mixture:**

ORAL LD50 (RAT) IS UNKNOWN

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

YES

**IARC:**

YES

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE: INHALATION OF MISTS/AEROSOLS MAY CAUSE RESPIRATORY IRRITATION. CONTACT MAY CAUSE SKIN AND EYE IRRITATION. CHRONIC: NO EVIDENCE OF POTENTIAL CHRONIC EFFECTS.

**Explanation Of Carcinogenicity:**

ETHYLENE THIOUREA IS LISTED AS A SUSPECT OR POSSIBLE CARCINOGEN BY NTP (AC) AND IARC (2B).

**Signs And Symptoms Of Overexposure:**

MAY CAUSE REDNESS OR ITCHING OF SKIN.

**Medical Cond Aggravated By Exposure:**

NOT KNOWN.

**First Aid:**

3 SKIN-REMOVE CLOTHING. WASH WITH SOAP & WATER SOLUTION. GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH WITH LOTS OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. INHALED-REMOVE TO FRESH AIR. APPLY NEEDED FIRST AID. GET IMMEDIATE MEDICAL ATTENTION. INGESTED-IF CONSCIOUS, DILUTE STOMACH CONTENTS AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

**Spill Release Procedures:**

VENTILATE AREA. USE PROPER PROTECTIVE EQUIPMENT. CONTAIN & ABSORB. PLACE IN WASTE DISPOSAL CONTAINER. CONTAINED ABSORBENT SHOULD BE CONSIDERED A PESTICIDE & DISPOSED OF IN APPROVED PESTICIDE DISPOSAL SITE. FLUSH AREA WITH WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE OF IN APPROVED PESTICIDE LANDFILL OR IN ACCORDANCE WITH PRODUCT LABEL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EPA/RCRA WASTE NUMBER APPLYS. EPA REGISTRATION NUMBER (FIFRA)= 31910-2-34571. RQ= 348 GALLONS.

**Handling And Storage Precautions:**

KEEP DRUMS AND PAILS CLOSED WHEN NOT IN USE. STORE AWAY FROM STRONG OXIDIZING AGENTS. ALKALINE, DO NOT MIX WITH ACIDIC MATERIAL.

**Other Precautions:**

DISPOSAL- SARA 302:NONE; SARA 313:ETHYLENE THIOUREA; SARA 312: IMMEDIATE (ACUTE).

## Fire and Explosion Hazard Information

**Flash Point Method:**

TCC

**Flash Point:**

**Flash Point Text:**

>200F,>93C

**Autoignition Temp:**

**Autoignition Temp Text:**

N/A

**Lower Limits:**

UNKNOWN

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER.

**Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. 4

**Unusual Fire/Explosion Hazard:**

NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**

B3

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**

UNKNOWN 5

**Mel/Freeze Pt:**

12F,-11C

**Decomp Temp:**

UNKNOWN

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

19 MM HG

**Vapor Density:**

UNKNOWN

**Volatile Org Content %:**

NONE SPECIFIED BY MANUFACTURER.

**Spec Gravity:**

1.15

**VOC Pounds/Gallon:**

UNKNOWN

**PH:**

11.5

**VOC Grams/Liter:**

UNKNOWN

**Viscosity:**

5 CPS

**Evaporation Rate & Reference:**

NO

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

GREEN LIQUID; STRONG ODOR.

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

**Health Hazards Acute And Chronic:**

UNKNOWN

**Explanation Of Carcinogenicity:**

ETHYLENE THIOUREA IS LISTED AS A SUSPECT OR POSSIBLE CARCINOGEN BY NTP (AC) AND IARC (2B).

**Signs And Symptoms Of Overexposure:**

MAY CAUSE REDNESS OR ITCHING OF SKIN.

**Medical Cond Aggravated By Exposure:**

NOT KNOWN.

**First Aid:**

3 SKIN-REMOVE CLOTHING. WASH WITH SOAP & WATER SOLUTION. GET MEDICAL ATTENTION. EYES-IMMEDIATELY FLUSH WITH LOTS OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. INHALED-REMOVE TO FRESH AIR. APPLY NEEDED FIRST AID. GET IMMEDIATE MEDICAL ATTENTION. INGESTED-IF CONSCIOUS, DILUTE STOMACH CONTENTS AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

**Spill Release Procedures:**

VENTILATE AREA. USE PROPER PROTECTIVE EQUIPMENT. CONTAIN & ABSORB. PLACE IN WASTE DISPOSAL CONTAINER. CONTAINED ABSORBENT SHOULD BE CONSIDERED A PESTICIDE & DISPOSED OF IN APPROVED PESTICIDE DISPOSAL SITE. FLUSH AREA WITH WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE OF IN APPROVED PESTICIDE LANDFILL OR IN ACCORDANCE WITH PRODUCT LABEL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EPA/RCRA WASTE NUMBER APPLYS. EPA REGISTRATION NUMBER (FIFRA)= 31910-2-34571. RQ= 348 GALLONS.

**Handling And Storage Precautions:**

KEEP DRUMS AND PAILS CLOSED WHEN NOT IN USE. STORE AWAY FROM STRONG OXIDIZING AGENTS. ALKALINE, DO NOT MIX WITH ACIDIC MATERIAL.

**Other Precautions:**

DISPOSAL- SARA 302:NONE; SARA 313:ETHYLENE THIOUREA; SARA 312: IMMEDIATE (ACUTE).

## Reactivity Data

**Stability Indicator:**

NO

**Stability Condition To Avoid:**  
DO NOT CONTAMINATE. AVOID EXPOSURE TO STRONG OXIDIZING AGENTS.

**Materials To Avoid:**

STRONG OXIDIZING AGENTS.

**Hazardous Decomposition Products:**

HAZARDOUS DECOMPOSITION PRODUCTS: ELEMENTAL OXIDES.

**Hazardous Polymerization Indicator:**

N/P

**Conditions To Avoid Polymerization:**

NONE SPECIFIED BY MANUFACTURER.

**Toxicological Information:**

N/P

## MSDS Transport Information

</