

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

ACGIHSTEL:
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

LD50LC50Mixture:
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 EFFETCS.

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

Signs And Symptions 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. AP PLY 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 PROTETCIVE EQUIUPENT. 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 NUM BER (FIFRA)= 31910-2-34571. RQ= 348 GALLONS.

Handling And Storage Precautions:
KEEP DRUMS AND PAILS CLOSED WHEN NOT INUSE. 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

Melt /Freeze Pt:

M.P/F.P Text:
12F,-11C

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
19 MM HG

Vapor Density:
UNKNOWN

Volatile Org Content %:

Spec Gravity:
1.15

VOC Pounds/Gallon:

PH: 11.5

VOC Grams/Liter:

Viscosity:
5 CPS

Evaporation Rate & Reference:

Solubility in Water:
COMPLETE

Appearance and Odor:
GREEN LIQUID; STRONG ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

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

Materials To Avoid:
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:
THERMAL DECOMPOSITION YIELDS ELEMENTAL OXIDES.

Hazardous Polymerization Indicator:
N/P

Conditions To Avoid Polymerization:
NONE SPECIFIED BY MANUFACTURER.

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