

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/110-73-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
110-73-6
Code:
M

RTECS:
KK9100000
Code:
M

Name:
ETHYLAMINOETHANOL

Other REC Limits:
25 PPM (STEL)

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.13.4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:
IF HANDLED INDOORS; USE LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:
RUBBER OR IMPERVIOUS.

Eye Protection:
GOGGLES OR FACESHIELD.

Other Protective Equipment:
Equipment: FULL BODY COVERING CLOTHING. EYEWASH RECOMMENDED. 3

Work Hygienic Practices:
WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health:
SARA TITLE III REPORTING REQUIRED: NONE. SARA III HAZARD CATAGORIES: IMMEDIATE AND FIRE.

Health Hazards Data

LD50LC50Mixture:
UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: CASUES IRRITATION OF SKIN, EYES, NOSE, THROAT AND MUCOUS MEMBRANES. MAY CAUSE TRANSIENT DERMATITIS. SOLVENT MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND/OR ATROPINE-LIKE SYMPTOMS. CHRONIC: N ONE SPECIFIED BY MANUFACTURER.

Explanation Of Carcinogenicity:
NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Signs And Symptions Of Overexposure:
IRRITATION OF SKIN, EYES, NOSE, THROAT, MUCOUS MEMBRANES. CNS DEPRESSION. TRANSIENT DERMATITIS.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES-FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH SOAP & WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. INHALED-REMOVE TO FRESH AIR. GIVE ARTI FICIAL RESPIRATION IF NEEDED. INGESTED-CALL A PHYSICIAN IMMEDIATELY. IF CONSCIOUS, DRINK 2 GLASSES OF WATER. INDUCE VOMITING. DO NOT GIVE MILK OR OTHER SUBSTANCE CONTAINING FAT.

Spill Release Procedures:
ELIMINATE ALL SOURCES OF IGNITION. CONFINE AREA WITH DIKING. PICK UP WITH NON-ORGANIC ABSORBENT AND PLACE IN A CONTAINER FOR DISPOSAL. DECONTAMINATE SURFACE WITH SOAP AND WATER.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER. 2

Waste Disposal Methods:
DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAAGE OR DISPOSAL. DISPOSE OF ON-SITE OR IN AN APPROVED WASTE DISPOSAL FACILITY IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. TRIPLE RINSE E MPTIES; RECYCLE OR DISPOSE ON LANDFILL.

Handling And Storage Precautions:
STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS. KEEP IN ORIGINAL CONTAINER, TIGHTLY CLOSED.

Other Precautions:
STORE BETWEEN 40F AND 80F. DO NOT REUSE EMPTY CONTAINER. KEEP OUT OF REACH OF CHILDREN. DO NOT APPLY OR ALLOW TO DRIFT OR DRAIN OR FLUSH EQUIPMENT ONTO OR NEAR CROPLAND, LAWNS, TREES OR OTHER DESIRABL E PLANTS.

Fire and Explosion Hazard Information

Flash Point Method:
CC

Flash Point:

Flash Point Text:
92.0F,33.3C

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM. LARGE AMOUNTS OF WATER ARE NOT INDICATED.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER. CONTAIN WATER IF USED, KEEP OUT OF WATERWAYS.

Unusual Fire/Explosion Hazard:
FIRE FIGHTING SHOULD BE DONE FROM UPWIND TO MINIMIZE EXPOSURE TO FUMES. RESIDENTS DOWNWIND SHOULD BE EVACUATED AS NEEDED.

Physical/Chemical Properties

HCC:
F3

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/P

Melt/Freeze Pt:

M.P/F.P Text:
N/P

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
UNKNOWN

Vapor Density:
>1

Volatile Org Content %:

Spec Gravity:
UNKNOWN

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
SLIGHT

Appearance and Odor:
DEEP AMBER TO BROWN LIQUID; AMMONIA-LIKE ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
VOID OPEN FLAMES, SPARKS AND HEAT.

Materials To Avoid:
STRONG OXIDIZING AGENTS AND ACIDS.

Hazardous Decomposition Products:
NONE KNOWN.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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