

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-593/593-67-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

593-67-9

**Code:**

M

**RTECS:**

YZ0650000

**Code:**

M

**Name:**

ETHYLENEAMINE, ETHENAMINE

**Other REC Limits:**

N/R

**OSHA PEL:**

N/R

**Code:**

M

**OSHA STEL:**

Code:

**ACGIH TLV:**

N/R

**Code:**

M N/P

**ACGIH STEL:**

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**

1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**

NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPOR.

**Ventilation:**

PROVIDE LOCAL EXHAUST VENTILATION TO KEEP

**Protective Gloves:**

IMPERVIOUS

**Eye Protection:**

GOGGLES

**Other Protective Equipment:**

Equipment IMPERVIOUS CLOTHING &BOOTS, EYE-WASH STATION, SAFETY SHOWER.

**Work Hygienic Practices:**

REMOVE CONTAMINATED CLOTHING/LAUNDER BEFORE REUSE. USE GOOD HYGIENE PRACTICES.

**Supplemental Safety and Health:**

N/K

## Health Hazards Data

**LD50/LC50 Mixture:**

NOT ESTABLISHED

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYE: CORROSIVE, SEVERELY IRRITATING. SKIN: SEVERE IRRITATION.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

INHALATION: MAY CAUSE RESPIRATORY IRRITATION. INGESTION: MODERATE TOXICITY. MAY CAUSE BURNS OF MOUTH & THROAT. SKIN: REPEATED/PROLONGED EXPOSURE MAY BE HARMFUL. MAY CAUSE CHEMICAL BURNS. MAY DEVELOP A LLERGIC SKIN REACTION. EYE: MODERATE CORNEAL DAMAGE.

**Medical Cond Aggravated By Exposure:**

ALLERGIC SKIN REACTION

**First Aid:**

SKIN: REMOVE CONTAMINATED CLOTHING/LAUNDER BEFORE REUSE. SKIN: WASH W/SOAP & WATER. EYE: FLUSH W/WATER FOR 15 MINS. WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR. ADMINISTER OXYGEN IF NECESSARY. INGESTION: DON'T INDUCE VOMITING. GIVE LARGE DOSES OF WATER. GET MEDICAL ATTENTION.

**Spill Release Procedures:**

AVOID CONTACT W/LIQUID & VAPORS. WIPE W/CLOTH/COLLECT ON ABSORBENT MATERIAL. LARGE SPILLS, DIKE & CONTAIN. PUMP/SHOVEL INTO SALVAGE VESSELS.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

CURE, THEN BURY/INCINERATE WHERE PERMITTED BY FEDERAL, STATE & LOCAL REGULATIONS. REMOVE SALVAGE VESSELS TO A WASTE DISPOSAL SITE OPERATING IN COMPLIANCE W/FEDERAL, STATE, & LOCAL REGULATIONS.

**Handling And Storage Precautions:**

STORE IN A COOL, DRY AREA IN TIGHTLY CLOSED CONTAINERS. AVOID CONTACT W/SKIN & EYES. USE W/ADEQUATE VENTILATION. USE GOOD HYGIENE PRACTICES.

**Other Precautions:**

RCRA STATUS: NOT CONSIDERED TO BE A HAZARDOUS WASTE. CERICA STATUS: NOT LISTED. DOT CLASS: CORROSIVE MATERIAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**

PMCC

**Flash Point:**

N/A

**Flash Point Text:**

>200F

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

WATER SPRAY, FOAM, CO2, DRY CHEMICAL.

**Fire Fighting Procedures:**

AVOID BREATHING SMOKE. IN CONFINED AREAS, FULL FIRE FIGHTING EQUIPMENT INCLUDING NIOSH APPROVED SCBA. COOL FIRE EXPOSED CONTAINERS W/WATER.

**Unusual Fire/Explosion Hazard:**

N/R

## Physical/Chemical Properties

**HCC:****NRC/State IC No:****Net Prop WT For Ammo:****Boiling Point:**

N/A

**B.P. Text:**

>250F

**Melt/Freeze Pt:**

N/A

**M.P/F.P Text:**

N/K

**Decomp Temp:**

N/A

**Decomp Text:**

N/K 3

**Vapor Pres:**

N/A

**Volatil Density:**

>1

**Volatile Org Content %:**

N/A

**Spec Gravity:**

1.40

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/A

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

(BU AC = 1)

**Solubility in Water:**

NEGLIGIBLE

**OXIDES OF CARBON & NITROGEN:**

N/A

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/A

LARGE MIXTURES IN BULK. CURING PROCESS IS EXOTHERMIC.

## Toxicological Information

**Information:**

N/P

## MSDS/Transport Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Pictogram Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P

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