

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-557/557-66-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

557-66-4

**Code:**

M

**RTECS:****Code:**

X

**Name:**

ETHYLAMINE HYDROCHLORIDE

**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:**

REQUIRED IF TLV'S ARE NOT BEING MAINTAINED. USE NIOSH APPROVED RESPIRATOR FOR LEAD DUST/FUME (HIGH EFFICIENCY FILTERS) IF TLVs ARE EXCEEDED.

**Ventilation:**

LOCAL DUST PICK UP AND ADEQUATE VENTILATION

**Protective Gloves:**

HEAT RESISTANT DURING SOLDERING

**Eye Protection:**

FACE SHIELD/GOGGLES DURING SOLDERING

**Other Protective Equipment:**

Equipment INSTALL EYE WASH STATION.

**Work Hygienic Practices:**

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

**Supplemental Safety and Health:**

N/P

## Health Hazards Data

**LD50/LC50/Mixture:**

UNKNOWN

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

YES

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

ACUTE- UNLIKELY. CHRONIC- HIGH LEVELS OF AIRBORNE OR INGESTED LEAD MAY RESULT IN ANEMIA, INSOMNIA, WEAKNESS, CONSTIPATION, KIDNEY, NERVOUS SYSTEM AND REPRODUCTIVE EFFECTS. EXPOSURE TO LEAD MAY RESULT IN INJURY TO A DEVELOPING FETUS.

**Explanation Of Carcinogenicity:**

CONTAINS LEAD

**Signs And Symptoms Of Overexposure:**

EYE IRRITATION, ABDOMINAL PAIN, WEAKNESS, CONSTIPATION, NAUSEA

**Medical Cond Aggravated By Exposure:**

DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS, KIDNEYS, NERVOUS SYSTEM AND POSSIBLY REPRODUCTIVE SYSTEMS MAY BE AGGRAVATED BY OVEREXPOSURE TO LEAD.

**First Aid:**

CALL A DOCTOR IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS, INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NOTE: OCCASIONAL BLOOD TESTING FOR LEAD LEVEL SHOULD BE ROUTINE FOR INDIVIDUALS WHO ARE CHRONICALLY EXPOSED TO LEAD.

**Spill Release Procedures:**

5 COLLECT AND USE, IF CONTAMINATED OR IN SMALL PARTICLES, VACUUM OR COLLECT MATERIAL. NEVER USE ANY METHOD WHICH GENERATE DUST. DO NOT USE FORCED AIR FOR CLEANING. WEAR NIOSH-APPROVED DUST MASK IF DUSTY CONDITION.

**Neutralizing Agent:**

NOT RELEVANT

**Waste Disposal Methods:**

NEVER DISPOSE OF IN TRASH. HOLD FOR RECYCLING OR DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

KEEP AWAY FROM INCOMPATIBLE MATERIALS. AVOID ACCIDENTAL INGESTION. FOOD AND DRINK SHOULD NOT BE CONSUMED IN AREAS WHERE METAL EXPOSURES ARE POSSIBLE.

**Other Precautions:**

READ WARNING LABELS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. DO NOT GENERATE DUST. DO NOT BREATHE DUST OR FUMES. AVOID CONTACT WITH DUST OR FUMES.

## 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, CARBON DIOXIDE. DO NOT USE WATER ON FIRE WHERE MOLTEN METALS IS PRESENT.

**Fire Fighting Procedures:**

WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

**Unusual Fire/Explosion Hazard:**

MOLTEN METALS PRODUCE FUME OR VAPOR THAT IS TOXIC. REACTS VIOLENTLY WITH OXIDIZING AGENTS.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State LIC No:**

NOT RELEVANT

**Net Prop WT For Ammo:****Boiling Point:**

3191F (PB)

**Melt/Freeze Pt:****Melt/F.P Text:**

UNKNOWN

**Decomp Temp:****Decomp Text:**

UNKNOWN

**Vapor Pres:**

N/R

**Vapor Density:**

N/R 7

**Volatile Org Content %:****Spec Gravity:**

8.9 (60SN/40PP)

**VOC Pounds/Gallon:****pH:**

N/R

**VOC Grams/Liter:****Viscosity:**

N/P

**Evaporation Rate & Reference:**

NOT RELEVANT

**Solubility in Water:**

INSOLUBLE

**Appearance and Odor:**

SILVER, METALLIC - NO ODOR

**Percent Volatiles by Volume:**

N/R

**Corrosion Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

NONE

**Materials To Avoid:**

STRONG OXIDIZING AGENTS (E.G. CHLORINE TRIFLUORIDE, HYDROGEN PEROXIDE), SODIUM AZIDE, AMMONIA ACETYLENE

**Hazardous Decomposition Products:**

LEAD OXIDE FUME AND OR LEAD PARTICULATE MAY BE EVOLVED.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT RELEVANT

## 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