

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-159/15901-40-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

15901-40-3

**Code:**

M

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

X

**Name:**

SILANETRIAMINE, N,N,N"-TRICYCLOHEXYL-1-METHYL

**Other REC Limits:**

NONE SPECIFIED

**OSHA PEL:**

NOT ESTABLISHED.

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT ESTABLISHED.

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NONE REQUIRED WHERE ADEQUATE VENTILATION EXIST. IF AIRBORNE CONC EXCEEDS TLV, USE A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR WITH DUST, MIST AND FUME FILTER. IF HIGHER LEVEL OF PROTECTION REQUIRED USE POSITIVE PRESS AIR-SUPPLIED RESPIRATOR.

**Ventilation:**

USE LOCAL/GENERAL AS NECESSARY TO MAINTAIN ADEQUATE VENTILATION.

**Protective Gloves:**

RUBBER GLOVES TO MINIMIZE SKIN CONTACT.

**Eye Protection:**

SAFETY GLASSES/GOGGLES/FACE SHIELD.

**Other Protective Equipment:**

Equipment PROVIDE EYE WASH STATION AND SAFETY SHOWER. WEAR LONG SLEEVED AND IMPERVIOUS CLOTHING.

**Work Hygienic Practices:**

WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. 6

**Supplemental Safety and Health:**

N/P

## Health Hazards Data

**LD50/LC50 Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYES: IRRITATION. SKIN AND INHALATION: NO TOXIC EFFECTS EXPECTED. INGESTION: NOT EXPECTED IN INDUSTRIAL USE. THIS MATERIAL RELEASES CYCLOHEXYLAMINE UPON MOISTURE CURING WHICH MAY CAUSE IRRITATION OF E YES, MUCOUS MEMBRANES AND SKIN. DIRECT CONTACT WITH EYES AND SKIN WILL CAUSE BURNS AND MAY CAUSE PERMANENT DAMAGE.

**Explanation Of Carcinogenicity:**

N/P 4

**Signs And Symptoms Of Overexposure:**

EYES: IRRITATION. SKIN AND INHALATION: NO TOXIC EFFECTS EXPECTED. INGESTION: NOT EXPECTED IN INDUSTRIAL USE. THIS MATERIAL RELEASES CYCLOHEXYLAMINE UPON MOISTURE CURING WHICH MAY CAUSE IRRITATION OF E YES, MUCOUS MEMBRANES AND SKIN. DIRECT CONTACT WITH EYES AND SKIN WILL CAUSE BURNS AND MAY CAUSE PERMANENT DAMAGE.

**Medical Cond Aggravated By Exposure:**

NONE KNOWN.

**First Aid:**

EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: REMOVE CONTAMINATED CLOTHING. REMOVE EXCESS MATERIAL FROM SKIN WITH A WATERLESS SKIN CLEANER. FLUSH SKIN WITH LARGE AMOUNTS OF WATER AND WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. GET MEDICAL ATTENTION. INGESTION: INGESTION IS UNLIKELY TO OCCUR.

**Spill Release Procedures:**

WEAR PROTECTIVE EQUIPMENT TO PROTECT AGAINST TOXIC VAPORS AND TO PREVENT SKIN AND EYE CONTACT. VENTILATE AREA. ABSORB SPILL WITH SAND OR FULLER'S EARTH. SWEEP UP AND PLACE IN AN APPROPRIATE CHEMICAL WASTE CONTAINER. FLUSH SPILL AREA WITH WATER.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

MATERIAL THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EMPTY CONTAINERS MAY CONTAIN RESIDUAL MATERIAL. DO NOT REUSE CONTAINERS UNLESS PROPERLY RECONDITIONED.

**Handling And Storage Precautions:**

STORE IN A COOL, DRY, WELL-VENTILATED AREA. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

**Other Precautions:**

ALL FOOD SHOULD BE KEPT IN A SEPARATE AREA AWAY FROM THE STORAGE/USE LOCATION. EATING, DRINKING, AND SMOKING SHOULD BE PROHIBITED IN AREAS WHERE THERE IS A POTENTIAL FOR SIGNIFICANT EXPOSURE TO THIS MATERIAL.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

NONE 5

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

USE WATER SPRAY, DRY CHEMICALS, CARBON DIOXIDE.

**Fire Fighting Procedures:**

FIRE FIGHTERS SHOULD USE NIOSH APPROVED FULL-FACE SCBA AND IMPERVIOUS PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**

THIS IS A PASTE-LIKE MATERIAL THAT WILL BURN WITH A LAZY SMOLDERING TYPE FLAME. COMBUSTION PRODUCTS OF UNCURED RUBBER ARE TOXIC. NO UNUSUAL HAZARDS WITH CURED.

## Physical/Chemical Properties

**HCC:**

N1

**NPC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

N/A

**B.P. Text:**

UNKNOWN

**Melt/Freeze Pt:**

N/A

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

UNKNOWN

**Decomp Temp:**

N/A

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

UNKNOWN

**Vapor Density:**

3.4

**Volatile Org Content %:**

N/A

**Spec Gravity:**

1.03

**VOC Pounds/Gallon:**

N/A

**PH:**

N/K

**VOC Grams/Liter:**

N/P

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Solubility in Water:**

NEGIGIBLE

**Appearance and Odor:**

BLACK PASTE. AMMONIALIC ODOR.

**Percent Volatiles by Volume:**

3.0

**Corrosion Rate:**

UNKNOWN

**Reactivity Data****Stability Indicator:**

YES

**Stable At Ambient Temperatures And Atmospheric Pressure. Avoid Extreme Heat, Fire, Moisture.****Materials To Avoid:** UNCURED MATERIAL; AVOID CONTACT WITH WATER, ACIDS, ALCOHOL, STRONG ALKALIES, STRONG OXIDIZERS.**Hazardous Decomposition Products:** SILICON DIOXIDE, CARBON MONOXIDE, CARBON DIOXIDE AND VARIOUS HYDROCARBON FRAGMENTS. 7**Hazardous Polymerization Indicator:**

NO

**Will Not Occur:**

UNKNOWN

## 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:**

N/P

**Other Information:**

N/P

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