

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-593/593-84-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

593-84-0

**Code:**

M

**RTECS:**

XL1225000

**Code:**

M

**Name:**

GUANIDINE THIOCYANATE

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

N/K

**Code:****ACGIH TLV:**

N/K

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NONE REQUIRED IF VENTILATION IS ADEQUATE.

**Ventilation:**

PROVIDE ADEQUATE GENERAL EXHAUST VENTILATION

**Protective Gloves:**

RUBBER/CHEMICAL RESISTANT

**Eye Protection:**

SAFETY GLASSES W/SIDE SHIELDS

**Other Protective Equipment:**

Equipment EYE WASH STATIONS, DELUGE SHOWERS, LAB COAT.

**Work Hygienic Practices:**

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. OBSERVE APPROPRIATE CHEMICAL HYGIENE.

**Supplemental Safety and Health:**

SPILLS CONT'D: UPON COMPLETION OF CLEANUP, WASH SITE W/WATER. 3

## Health Hazards Data

**LD50/LC50 Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

SODIUM AZIDE IN PURE FORM IS CONSIDERED A POISON & MAY ALTER GENETIC MATERIAL. GUANIDINE THIOCYANATE MAY BE IRRITATING TO THE EYES, SKIN & UPPER RESPIRATORY TRACT.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

SODIUM AZIDE-HEADACHE, DROWSINESS, VOMITING.

**Medical Cond Aggravated By Exposure:**

NONE

**First Aid:**

EYES/SKIN: IMMEDIATELY FLUSH W/LARGE VOLUMES OF FRESH WATER FOR 15 MINS. INGESTION: KEEP WARM & CALM. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

VENTILATE AREA. DRY: MOP UP/PLACE IN SUITABLE CONTAINER/SEAL/LABEL/HOLD FOR DISPOSAL. SOLUTION: USE ABSORBENT MATERIAL TO CONTAIN/PICKUP. ONCE SPENT PLACE ALL CONTAMINATED DISPOSABLES IN SUITABLE CONTAINER/SEAL/LABEL/HOLD FOR DISPOSAL. (SEE SUPP)

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. SODIUM AZIDE-WHEN DISPOSING DOWN THE DRAIN, FLUSH W/LARGE VOLUMES OF WATER. CLEAN EXPOSED METAL SURFACES W/10% SODIUM HYDROXIDE. 2

**Handling And Storage Precautions:**

STORE AT TEMP 35.6 - 46.4F.

**Other Precautions:**

AVOID CONTACT W/SKIN, EYES. DON'T EAT, DRINK/SMOKE WHILE WORKING W/REAGENTS. DON'T MOUTH PIPETTE.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

N/P

**Flash Point Text:**

>392F

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

USE MEDIA APPROPRIATE FOR SURROUNDING FIRE

**Fire Fighting Procedures:**

WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE GARMENTS. IF POSSIBLE HAVE THIS PRODUCT REMOVED FROM FIRE SCENE.

**Unusual Fire/Explosion Hazard:**

N/K

## Physical/Chemical Properties

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

N/P

**B.P. Text:**

N/K

**Melt/Freeze Pt:**

N/P

**M.P./F.P. Temp:**

N/K

**Decomp Temp:**

N/K

**Decomp Text:**

N/K

**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:**

N/K

**Spec Gravity:**

N/K

**VOC Pounds/Gallon:**

N/K

**pH:**

5-10

**VOC Grams/Liter:**

N/K

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

N/K

**Appearance and Odor:**

CLEAR, COLORLESS LIQUID

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

EXCESS HEAT, FLAME/PRESSURE, SODIUM AZIDE-SHOCK & HEAT.

**Materials To Avoid:**

SODIUM AZIDE-HEAVY METALS, STRONG OXIDIZERS/ACIDS, ACID CHLORIDE, COPPER/LEAD PLUMBING.

**Hazardous Decomposition Products:**

N/K

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

## Toxicological Information

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

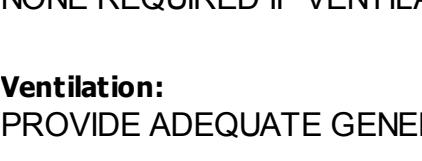
## Other Information

**Other Information:**

N/P

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