

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-57/57-13-6.html> for suppliers of this product.

Composition/Information on Ingredient

57-13-6
Code:
M

RTECS:
YR6250000
Code:
M

Name:
UREA

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:
2

Respiratory Protection:
WHERE AIRBORNE EXPOSURE

RECOMMENDED IS A NEGATIVE PRESS. AIR PURIFYING RESPIRATOR WITH CARTRIDGES, NIOSH/MSHA, APPROVED AGAINST DUST, FUMES, MI STS HAVING TWA NOT LESS THAN 0.05 MG/M3.

Ventilation:
LOCAL EXHAUST VENTILATION RECOMMENDED FOR DUST/FUME GENERATION OPERATIONS WHERE AIRBORNE EXPOSURES MAY EXCEED PEL.

Protective Gloves:
GLOVES RECOMMENDED TO AVOID SKIN CONTACT

Eye Protection:
SAFETY GLASSES FOR DUST AND MOLTEN METAL

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING RECOMMENDED IF SKIN CONTACT IS APPRECIABLE.

Work Hygienic Practices:
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. 4

Supplemental Safety and Health:
N/P

LD50LC50Mixture:

ORAL LD50 (RAT) IS UNKNOWN.

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
SHORT TERM OVEREXPOSURE MAY LEAD TO CNS DISORDERS, DROWSINESS, SEIZURES, COMA, DEATH. EXPOSURE OF THIS MAGNITUDE IS EXTREMELY UNLIKELY. PROLONGED OVEREXPOSURE TO LEAD CAN RESULT IN SYSTEMIC POISONING, RESULTING IN GI DISORDERS, DAMAGE TO BLOOD-FORMING,NERVOUS,KIDNEYS,AND REPRODUCTIVE SYSTEMS,ANEMIA,KIDNEY DYSFUNCTION.

Explanation Of Carcinogenicity:
NO INGREDIENT IN A CONCENTRATION OF 0.1% OR GREATER IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:
ACUTE: CNS DISORDERS, DROWSINESS, SEIZURES, COMA, DEATH. CHRONIC: GI DISORDERS, DAMAGE TO BLOOD-FORMING, NERVOUS, KIDNEYS, AND REPRODUCTIVE SYSTEMS, ANEMIA, KIDNEY DYSFUNCTIONM. DAMAGE MAY INCLUDE RED UCED FERTILITY IN BOTH MEN AND WOMEN, DAMAGE TO FETUS OF EXPOSED PREGNANT WOMEN.

Medical Cond Aggravated By Exposure:
PERSON WITH PRE-EXISTING DISEASES INVOLVING THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS, NERVOUS AND POSSIBLY REPRODUCTIVE SYSTEMS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:
NONE SPECIFIED BY MANUFACTURER.

Spill Release Procedures:
COLLECT SPILLS BY ANY METHOD THAT KEEPS DUST TO A MINIMUM. USE APPROVED RESPIRATORY PROTECTION WHERE POSSIBILITY OF DUST/FUME EXPOSURE EXISTS. DO NOT USE COMPRESSED AIR FOR CLEANING.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
RECLAIM ALLOY OR DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. 3

Handling And Storage Precautions:
GENERAL STORAGE PROCEDURES ACCEPTABLE. AVOID INHALATION OR INGESTION OF DUST OR FUMES. PRACTICE GOOD HOUSEKEEPING AND PERSONAL HYGIENE PROCEDURES.

Other Precautions:
A SHOWER IS RECOMMENDED IF SIGNIFICANT DUST EXPOSURE OCCURS.SPECIAL ATTENTION IS DRAWN TO REQUIREMENTS OF OSHA LEAD STANDARD (1910.1025) AND RESPIRATOR STANDARD (1910.134) SHOULD AIRBORNE EXPOSURES EX CEED OSHA ACTION LEVEL OR PEL.

Fire and Explosion Hazard Information

N/P

Flash Point:

Flash Point Text:
NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
USE CARBON DIOXIDE OR DRY CHEMICAL ON SURROUNDING FIRE.

Fire Fighting Procedures:
USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL BODY PROTECTIVE CLOTHING. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
MOLTEN METALS PRODUCE FUME OR VAPOR THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS. REACTS VIOLENTLY WITH OXYDIZING AGENTS.

Physical/Chemical Properties

HCC:
N1

RC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN

Melt / Freeze Pt:

M.P./F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
7.3-11.3

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Ref:
NOT APPLICABLE

Solubility in Water:
INSOLUBLE (METAL)

Appearance and Odor:
METAL IS SILVER-WHITE.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data:

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
STRONG OXIDIZERS MAY CAUSE VIOLENT REACTION.

Hazardous Decomposition Products:
AT TEMPERATURES ABOVE THE MELTING POINT, TOXIC

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE.

Toxicological Information

Information:N/P

MSDS Transport Informa

Regulatory Information

Sara Title III Inf

State Regulatory Information: N/P

Other Information

Other Information: N/A

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any