

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-176/1762-95-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1762-95-4

Code:
M

RTECS:
XK7875000

Code:
M

Name:
AMMONIUM THIOCYANATE (SARA III)

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:

WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:

USE GENERAL DILUTION VENTILATION.MFR RECOMMENDS 10 AIR CHANGES/HOUR.

Protective Gloves:

IMPERVIOUS

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:

WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health:

NONE

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT) IS 750MG/KG INGRED #2

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYES: MAY CAUSE IRRITATION.SKIN: MAY BE DERMALLY ABSORBED IN HARMFUL AMOUNTS.MAY CAUSE IRRITATION.INGEST: MAY CAUSE GI TRACT IRRITATION.INHAL:CONTACT OF THIS PRODUCT WITH A STRONG OXIDIZER CAUSE RELEASE OF HCN GAS.MAY CAUSE RESPIRATORY IRRITATION.CHRONIC:MAY CAUSE THYROID ENLARGEMENT AND DECREASED METABOLIC RATE.

Explanation Of Carcinogenicity:

THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Signs And Symptoms Of Overexposure:

INHAL (OF HCN GAS): DIZZINESS, HEADACHE, RAPID RESPIRATION, RAPID PULSE, UNCONSCIOUSNESS, CONVULSION, DEATH. CHRONIC: HYPOTHYROIDISM.

Medical Cond Aggravated By Exposure:

PERSONS WITH PRE-EXISTING THYROID AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE TO THIOCYANATES.

First Aid:

SKIN: REMOVE CONTAMINATED CLOTHING; WASH WITH WATER.EYES: FLUSH WITH WATER FOR 15 MINUTES.INHAL: REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST: GET PROMPT QUALIFIED MEDICAL ATTENTION IF CONSCIOUS, INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL.

Spill Release Procedures:

SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG,CLAY); PLACE COLLECTED MATERIEL IN AN APPROPRIATE CONTAINER FOR DISPOSAL; CLEAN SPILL AREA TO REMOVE SLIPPERINESS.FLUSH SMALL SPILLS TO SEWER WITH PLENTY OF WATER.

Neutralizing Agent:

SODIUM BICARBONATE, LIME.

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions:

USE WITH ADEQUATE VENTILATION.KEEP CONTAINERS CLOSED.KEEP AWAY FROM OXIDIZERS, ACIDS AND BASES.

Other Precautions:

FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

None

Flash Point Text:

NONE

Autoignition Temp:

None

Autoignition Temp Text:

N/K 3

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, ALCOHOL FOAM.

Fire Fighting Procedures:

USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:

FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.CONTACT WITH BASE LIBERATES FLAMMABLE MATERIAL.

Physical/Chemical Properties

HCC:

C₂

NRC/State Lic No:

N/R

Net Prop WT For Ammo:

None

Boiling Point:

None

B.P. Text:

>212F/100C

Melt/Freeze Pt:

None

N.P./F.P. Text:

N/R

Decomp Temp:

None

Decomp Text:

UNKNOWN

Vapor Pres:

18

Vapor Density:

0.6

Volatile Org Content %:

None

Spec Gravity:

1.1

VOC Pounds/Gallon:

None

PH:

3.1

VOC Grams/Liter:

None

Viscosity:

N/K 4

Evaporation Rate & Reference:

N/R

Solubility in Water:

COMPLETE

Appearance and Odor:

LIQUID, PINK; VINEGAR TYPE ODOR

Percent Volatiles by Volume:

73

Corrosion Rate:

UNKNOWN

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:

STRONG OXIDIZING AGENTS, BASES, CONTACT WITH HCN GAS.

Hazardous Decomposition Products:

CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN AND SULFUR, CYANIDES (HCN), CARBONYL SULFIDE, CHLORAMINE, AMMONIA.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information:

N/P

Regulatory Information

Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

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