

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-332/33286-22-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

33286-22-5

Code:

M

RTECS:

DL0310000

Code:

M

Name:

HYDROCHLORIDE *94-3*

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

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

N/K

Code:

M N/P

ACGIH STEL:

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

Code:

1 ACGIH STEL:

Control Measures

Respiratory Protection:

WEAR NIOSH APPROVED RESPIRATOR.

Ventilation:

ADEQUATE LOCAL EXHAUST/MECHANICAL (GENERAL): RECOMMENDED.

Protective Gloves:

RUBBER

Eye Protection:

SAFETY GOGGLES

Other Protective Equipment:

Equipment APPROPRIATE LABORATORY APPAREL

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health:

INDIVIDUALS WORKING W/CHEMICALS SHOULD CONSIDER ALL CHEMICALS TO BE POTENTIALLY HAZARDOUS EVEN IF THEIR INDIVIDUAL HAZARDS MAY BE UNCHARACTERIZED/UNKNOWN. 3

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD50 (RAT): 585 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

POSSIBLE ALLERGIC REACTION TO DUST IF INHALED/INGESTED/CONTACT W/SKIN. EYE/SKIN/RESPIRATORY TRACT IRRITATION. POSSIBLE HYPERSENSITIZATION. IRRITATING TO MUCOUS MEMBRANES & RESPIRATORY TRACT.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION, EDEMA, HEADACHE, NAUSEA, DIZZINESS, RASH, ASTHENIA.

Medical Cond Aggravated By Exposure:

HYPERSensitivity TO MATERIAL

First Aid:

INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. EYES/SKIN: FLUSH W/COPIOUS QUANTITIES OF WATER.

INGESTION: FLUSH OUT MOUTH/WATER. HYPERSensitivity REACTIONS MUST RECEIVE IMMEDIATE MEDICAL ATTENTION. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

WEAR APPROVED RESPIRATOR & CHEMICALLY COMPATIBLE GLOVES. VACUUM/SWEEP UP. AVOID DUST. PLACE MATERIAL IN APPROPRIATE CONTAINER FOR WASTE DISPOSAL. VENTILATE AREA & WASH SITE.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

Handling And Storage Precautions:

2 STORE IN TIGHT CONTAINER. SHOULD BE HANDLED/STORED PER LABEL/OTHER INSTRUCTIONS TO ENSURE PRODUCT INTEGRITY. USE W/ADEQUATE VENTILATION.

Other Precautions:

AVOID CONTACT W/EYES, SKIN/CLOTHING. AVOID BREATHING DUST/MIST/FUMES/VAPORS. USE W/ADEQUATE DUST CONTROL. DON'T PERMIT EATING/DRINKING/SMOKING NEAR MATERIAL.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

N/K

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

WATER SPRAY, DRY CHEMICAL, CO₂, FOAM AS APPROPRIATE FOR SURROUNDING FIRE/MATERIALS.

Fire Fighting Procedures:

EVACUATE AREA. WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:

MATERIAL IS ASSUMED TO BE COMBUSTIBLE. AS W/ALL DRY POWDERS IT'S ADVISABLE TO GROUND MECHANICAL EQUIPMENT IN CONTACT W/DRY MATERIAL TO DISSIPATE STATIC.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:**

N/P

Boiling Point:

N/K

B.P. Text:

N/K

Melt/Freeze Pt:

N/K

N/K/F.P Text:

N/K

Decomp Temp:

N/K

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/A

PH: N/K**VOC Grams/Liter:**

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

COMPLETE

Appearance and Odor:

WHITE TO OFF-WHITE CRYSTALLINE POWDER W/NO ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT

Materials To Avoid:

N/K

Hazardous Decomposition Products:

TOXIC FUMES, SULFUR OXIDES, NITROGEN OXIDES, HYDROGEN CHLORIDE.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

Toxicological Information

Information:**N/P**

Regulatory Information

Title III Information:**N/P****Sara Title III Information:****N/P****Federal Regulatory Information:****N/P****State Regulatory Information:****N/P****Other Information:****N/P**

LookChem
Look for Chemicals
www.lookchem.com

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

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 product information in this document is based on the present state of our knowledge and does not represent any guarantee of the properties of the product. LookChem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.