

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-98/98-77-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
98-77-1
Code:
X

RTECS:

Code:
X

Name:
PIPERIDINIUM PENTAMETHYLENEDITHIOCARBAMATE (MFR C)

Other REC Limits:
N/P

OSHA PEL:
N/P
Code:

OSHA STEL:
N/P
Code:

ACGIH TLV:
N/P
Code:

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N). NIOSH APPROVED DUST RESPIRATOR IF DUSTY CONDITIONS EXIST.

Ventilation:
EFFECTIVE EXHAUST VENTILATION TO DRAW DUST & FUMES AWAY FROM WORKER TO PREVENT ROUTINE INHALATION. IF LOCAL EXHAUST VENTILATION IS USED, A CAPTURE (SUP DAT) 4

Protective Gloves:
IMPERVIOUS GLOVES (FP N). RUBBER GLOVES.

Eye Protection:
ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N). GOGGLES.

Other Protective Equipment:
Equipment ANSI APPROVED EMERGENCY EYEWASH AND DELUGE SHOWER (FP N).

Work Hygienic Practices:
N/P

Supplemental Safety and Health:
VENTILATION: VELOCITY OF 150 - 200 FPM IS RECOMMENDED.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL, RAT): 250 MG/KG.

Route Of Entry Inds - Inhalation:
N/P

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
HARMFUL IF INGESTED. MAY CAUSE IRRITATION.

Explanation Of Carcinogenicity:
N/P

Signs And Symptoms Of Overexposure:
HUMAN HEALTH EFFECTS OF OVEREXPOSURE TO THE COMPOUND HAVE NOT BEEN DEFINED. IT HAS BEEN FREQUENTLY ASSOCIATED WITH SKIN SENSITIZATION IN HUMANS. MAY CAUSE SKIN IRRITATION IN SOME INDIVIDUALS.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. SKIN CONTACT: WASH WITH SOAP AND WATER. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. INHALATION: EXPOSE TO FRESH AIR. KEEP WA RM AND QUIET. GIVE ARTIFICIAL RESPIRATION. INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PE RSON. CALL A PHYSICIAN.

Spill Release Procedures:
SWEEP SPILLAGE. WET DOWN RESIDUALS WITH SOAP AND WATER. TRANSFER TO A CLOSED CONTAINER FOR DISPOSAL.

Neutralizing Agent:
N/P

Waste Disposal Methods:
3 DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS (FP N). NOT CLASSIFIED AS A RCRA HAZARDOUS WASTE. DISPOSE OF ACCORDING TO APPLICABLE ENVIRONMENTAL REGULATIONS.

Handling And Storage Precautions:
KEEP CONTAINER CLOSED. AVOID CONTACT WITH SKIN AND EYES. AVOID BREATHING DUST OR VAPORS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. USE GOOD INDUSTRIAL HYGIENE PRACTICES.

Other Precautions:
N/P

Fire and Explosion Hazard Information

Flash Point Method:

Flash Point:

Flash Point Text:
>205C/400F.

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:

Upper Limits:

Extinguishing Media:
CARBON DIOXIDE, FOAM, AND DRY CHEMICAL.

Fire Fighting Procedures:
USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:
NOT KNOWN .

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/P

Melt/Freeze Pt:

M.P/F.P Text:
N/P

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
N/P

Vapor Density:
N/P

Volatile Org Content %:

Spec Gravity:
N/P

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
SLIGHT 5

Appearance and Odor:
CREAM COLORED CRYSTALLINE POWDER, SLIGHT ODOR.

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
STABLE. WILL DECOMPOSE WHEN MELTED.

Materials To Avoid:
ACIDS AND STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:
OXIDES OF NITROGEN, SULFUR AND CARBON AT COMBUSTION TEMPERATURES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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

Other Information:N/P



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

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 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.