

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-130/13010-47-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13010-47-4

Code:

M

RTECS:

YS4900000

Code:

M

Name:

UREA, 1-(2-CHLOROETHYL)-3-CYCLOHEXYL-1-NITROSO-;

Other REC Limits:

N/K

OSHA PEL:

NOT APPLICABLE

Code:

M

OSHA STEL:

N/K

Code:

ACGIH TLV:

NOT APPLICABLE

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

4 RESPIRATORY PROTECTION W/NIOSH/MSHA APPROVED DUST RESPIRATOR, HIGH EFFICIENCY DUST FILTER OR POWERED AIR-PURIFYING RESPIRATOR IF BSC OR SUITABLE VENTILATION IS NOT AVAILABLE, & NUMBER OF CAPSULES ARE TO BE OPENED.

Ventilation:

BIOLOGICAL SAFETY CABINET OR LABORATORY EXHAUST HOOD IF CAPSULES ARE TO BE OPENED.

Protective Gloves:

DISPOSABLE SURGICAL LATEX GLOVES.

Eye Protection:

CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment PROT DISPOSABLE GOWN OF LOW PERMEABILITY FABRIC W/CLSD FRONT, LONG SLEEVES ELASTIC CUFFS IF CAPSULES ARE TO BE OPENED.

Work Hygienic Practices:

WASH THORO BEFORE EATING/SMOKING. EATING, DRINKING, SMOKING, CHEWING GUM, APPLYING COSMETICS/STORING FOOD NEAR (SUPDAT)

Supplemental Safety and Health:

EFTS OF OVEREXP:OF ALL STAFF WHO ROUTINELY PREPARE/ADMIN CEENU SHLD BE CONSIDERED. REPRO ISSUES:STAFF MEMBERS WHO ARE PREGNANT, ARE BREASTFEEDING, OR WHO ARE CONCERNED W/OTHER REPRO ISSUES SHLD BE ENCOURAGED TO CONSULT W/OCCUP HLTH MD MONITORING WORKER'S HLTH. HYGIENE PRACT:PREPARATION AREA SHLD BE FORBIDDEN.

Health Hazards Data

LD50/LC50 Mixture:

LD50:(ORAL,RAT) 560 MG/KG.

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE:INGEST:CYTOTOXIC AGENT:IMPORTANT DOSE-DEPENDENT EFTS INCL:HEMOTOLOGIC, HEPATIC, LUNG & KIDNEY TOX. SKIN:TOX: MAY BE ABSORB THRU SKIN. SENSIT:POSS RASH UPON CONT. EYE:CONT MAY CAUSE CONJ. CHRONIC: POTNTL CARCIN. MED SURVEILLANCE:ROUTINE PROCES:PRE-PLACEMENT PHYSICAL EXAM & HISTORY (NOTING ANY RISK (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:

CCNU:IARC GRP 2A, NTP GRP 2.

Signs And Symptoms Of Overexposure:

HLTH HAZ:FACTORS)FOR EMPLOYEES W/POTNTL EXPOS TO CEENU IS RECOM. COMPLETE BLOOD COUNT, INCL DIFFERENTIAL, MAY BE TAKEN TO PROVIDE BASELINE. PERIODIC FOLLOW-UP EXAMS SHLD BE GIVEN I/A/W INSTITUTIONAL P OLICY, OVERSEEN BY MD THORO KNOWLEDGEABLE ABOUT BOTH TOX OF SUBSTANCE & EXTENT OF WORKPLACE EXPOS. PERM REGISTRY(SUPDAT)

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

EYE:WASH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES & THEN IMMEDIATELY SEE MD. SKIN:WASH AFFECTED AREA IMMEDIATELY W/SOAP & WATER. INGEST/INHAL:SEEK PROFESSIONAL MEDICAL ATTENTION IF APPROPRIATE.

Spill Release Procedures:

PICK UP INTACT CAPSULES. IF CAPSULES ARE CRUSHED, WIPE SOLIDS W/WET ABSORBENT GAUZE OR TOWELS. 3

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

TREAT PRODUCT & CONTAMINATED MATLS AS HAZARDOUS WASTE. INCINERATION IS RECOMMENDED. DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N).

Handling And Storage Precautions:

AVOID EXCESSIVE HEAT (>40C). STORE AT ROOM TEMPERATURE.

Other Precautions:

FEDERAL LAW PROHIBITS DISPENSING W/OUT PRESCRIPTION. SEE PACKAGE INSERT FOR RECOMMENDED MEDICAL USE. SEE OSHA INSTRUCTION PUB 8-1.1 FOR ADDNL WORK PRACTICE GUIDELINES FOR HNDLG THIS MATL.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NOT APPLICABLE

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

CO₂, DRY CHEMICAL.

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

UNKNOWN.

Physical/Chemical Properties

IARC:

N/P

NRC/State Lic No:

Net Wt For Ammo:

Boiling Point:

N/A

Melt/Freeze Pt:

194F 90C

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K 5

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:

INSOLUBLE

Appearance and Odor:

YELLOW POWDER IN CAPSULES.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Avoid EXCESSIVE HEAT (>40C).

Materials To Avoid:

NO KNOWN HAZARD INCOMPATIBILITIES.

Hazardous Decomposition Products:

UNKNOWN, BUT ASSUME CARCINOGENIC POTENTIAL.

Reactions To Avoid Polymerization:

NO

Reactions To Avoid:

NOT RELEVANT

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:

N/P

Other Information

Other Information:

N/P

Other Information: