

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-305/305-03-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

305-03-3

Code:

M

RTECS:

ES7525000

Code:

M

Name:

CHLORAMBUCIL (SARA III)

Other REC Limits:

NOT ESTABLISHED

OSHA PEL:

NOT ESTABLISHED

Code:

M

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

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

AIR-SUPPLIED SUIT IS RECOMMENDED OR AIR-SUPPLIED HOOD WITH FULL BODY COVERING.

Ventilation:

LOCAL EXHAUST VENTILATION.

Protective Gloves:

DOUBLE LATEX

Eye Protection:

GOGGLES.

Other Protective Equipment:

Equipment TYVEK JUMPSUIT OR OTHER FULL BODY COVERING.

Work Hygienic Practices:

WASH THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

4 THIS IS AN ANTI NEOPLASTIC DRUG. *EMERGENCY AND FIRST AID, CONTINUED: CONTROL OF HYPERACTIVITY OR CONVULSIONS WILL REQUIRE SEDATION; THE ROUTE BEING DICTATED BY THE CONDITION. DAILY BLOOD COUNTS ARE NECESSARY FOR 2 WEEKS. TRANSFUSION OF FRESH BLOOD AND BARRIER NURSING WOULD BE REQUIRED IF BONE MARROW SUPPRESSION OCCURS.

Health Hazards Data

LD50/LC50 Mixture:

LD50 (ORAL MOUSE) IS 123 MG/KG

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE: CENTRAL NERVOUS SYSTEM TOXICITY. CHRONIC: CAN SEVERELY SUPPRESS BONE MARROW FUNCTION. CHLORAMBUCIL IS PROBABLY MUTAGENIC AND TERATOGENIC IN HUMANS. MAY CAUSE FETAL HARM WHEN ADMINISTERED TO A PREGNANT WOMAN. THIS PRODUCT PRODUCES HUMAN INFERTILITY.

Explanation Of Carcinogenicity:

2 NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

CHLORAMBUCIL IS A CONFIRMED HUMAN CARCINOGEN BY IARC, NTP.

Medical Cond Aggravated By Exposure:

PERSONS WITH A HISTORY OF NERVOUS DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid:

INHALATION: REMOVE SUBJECT TO FRESH AIR. EYE: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INGESTION: WASH OUT MOUTH. GIVE PLENTY OF FLUIDS. INDUCE VOMITING. GASTRIC LAVAGE AND ADMINISTER CHARCOAL IF INGESTION WAS RECENT. GET IMMEDIATE MEDICAL ATTENTION.

CONTINUES IN SUPPLEMENTAL DATA

Spill Release Procedures:

WEAR SUITABLE PROTECTIVE CLOTHING. SWEEP UP, MINIMIZING DUST EVOLUTION. TRANSFER TO CLOSED DISPOSAL CONTAINER. DECONTAMINATE AREA WITH 5% CAUSTIC SODA SOLUTION. THEN WASH DOWN WITH WATER. COLLECT AND TREAT CAUSTIC WATER WASHES BEFORE DISCHARGE.

Neutralizing Agent:

5% CAUSTIC SODA SOLUTION.

Waste Disposal Methods:

CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. ARRANGE FOR INCINERATION. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Handling And Storage Precautions:

STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED.

Other Precautions:

NONE.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/R

Flash Point Text:

N/R 3

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:

FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

Physical/Chemical Properties

HCC:

T6

NRC/State Lic No:

NRC

Net Prop WT For Ammo:

N/A

Boiling Point:

N/R

B.P. Text:

N/R

Melt/Freeze Pt:

N/R

M.P/F.P Text:

150F/65.5C

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/A

Spec Gravity:

UNKNOWN

VOC Pounds/Gallon:

N/A

PH:

N/P

VOC Grams/Liter:

N/A

Visco.:

N/P

Evaporation Rate & Reference:

N/R

Solubility in Water:

SLIGHT

Appearance and Odor:

WHITE CRYSTALLINE POWDER WITH A SLIGHT ODOR.

Percent Volatiles by Volume:

N/R

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/R

Materials To Avoid:

N/R

Hazardous Decomposition Products:

CARBON DIOXIDE, CARBON MONOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT APPLICABLE

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

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