

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-138/13824-95-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13824-95-8

Code:

I

RTECS:

Code:

X

Name:

LITHIUM HYPOBROMITE % low Wt: 10. Code: M %

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:

M

OSHA STEL:

N/P

Code:

3

ACGIH TLV:

N/P

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

LABORATORY FUME HOOD.

Ventilation:

USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO MIST, VAPOR OR DUST.

Protective Gloves:

DISPOSAL LATEX

Eye Protection:

SAFETY GLASSES WITH AND SIDE SHIELDS

Other Protective Equipment:

Equipment 5 HAVE A SAFETY SHOWER NEARBY.HAVE AN EYEWASH STATION NEARBY. USE A FUME HOOD TO AVOID EXPOSURE TO DUST, MIST OR VAPOR. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. LAB COAT.

Work Hygienic Practices:

AVOID CONTACT: EYES SKIN CLOTHING. DO NOT BREATHE: DUST WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FORM: ACIDS/ACID FUMES PROTECT FROM: HEAT MOISTURE.

Supplemental Safety and Health:

THIS IS A KIT WITH PART NUMBER: 2242500, CONSISTING OF: 212699, ACID REAGENT; 204499, CHROMIUM 2 REAGENT; 204399, CHROMIUM 1 REAGENT; 1206699, CHROMAVER 3 CHROMIUM REAGENT.THIS IS PART OF A KIT, KIT N UMBERS, MSDS#: CLSGJ, MSDS#: CLSGK,MSDS#: CLSGL

Health Hazards Data

LD50/LC50 Mixture:

N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

N/P

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYE CONTACT: CAUSES EYE BURNS. SKIN CONTACT: CAUSES BURNS. INGESTION: TOXIC CAUSES: SEVERE BURNS MAY CAUSE: CENTRAL NERVOUS SYSTEM EFFECTS KIDNEY DAMAGE, DIZZINESS, NAUSEA, VOMITING, LIVER DAMAGE, COM A, DEATH. INHALATION: CAUSES: SEVERE BURNS, SHORTNESS OF BREATH, COUGHING. TARGET ORGANS: KIDNEYS, CENTRAL NERVOUS SYSTEM, BONE MARROW, LIVER. CHRONIC EFFECTS: LITHIUM COMPOUNDS HAVE BEEN IMPLICATED IN DEVELOPMENT OF APLASTIC ANEMIA. SIGNS OF LITHIUM POISONING INCLUDE DEHYDRATION, EXTREME WEIGHT LOSS, FINE T

Explanation Of Carcinogenicity:

3 TESTS PERFORMED ON THIS PRODUCT / COMPONENTS GAVE INSUFFICIENT EVIDENCE TO CLASSIFY FOR CARCINOGENICITY.

Signs And Symptoms Of Overexposure:

EYE CONTACT: CAUSES EYE BURNS. SKIN CONTACT: CAUSES BURNS. INGESTION: TOXIC CAUSES: SEVERE BURNS MAY CAUSE: CENTRAL NERVOUS SYSTEM EFFECTS KIDNEY DAMAGE, DIZZINESS, NAUSEA, VOMITING, LIVER DAMAGE, COM A, DEATH. INHALATION: CAUSES: SEVERE BURNS, SHORTNESS OF BREATH, COUGHING. TARGET ORGANS: KIDNEYS, CENTRAL NERVOUS SYSTEM, BONE MARROW, LIVER. LITHIUM COMPOUNDS HAVE BEEN IMPLICATED IN DEVELOPMENT OF APLASTIC ANEMIA. SIGNS OF LITHIUM POISONING INCLUDE DEHYDRATION, EXTREME WEIGHT LOSS, FINE T

Medical Cond Aggravated By Exposure:

NONE REPORTED.

First Aid:

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT: WASH SKIN WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. CALL PHYSICIAN IMMEDIATELY. IN GESTION: DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL PHYSICIAN.

Spill Release Procedures:

S SPILLED MATERIAL FROM BEING RELEASED TO THE ENVIRONMENT. COVER SPILLED SOLID MATERIAL WITH SAND OR OTHER INERT MATERIAL. WORK IN AN APPROVED FUME HOOD. DILUTE WITH A LARGE EXCESS OF WATER. ADJUST T TO A PH BETWEEN 6 AND 9 WITH AN ACID SUCH AS SULFURIC OR CITRIC. FLUSH REACTED MATERIAL TO THE DRAIN WITH A LARGE EXCESS OF WATER.

Neutralizing Agent:

N/P

Waste Disposal Methods:

WORK IN AN APPROVED FUME HOOD. DILUTE MATERIAL WITH EXCESS WATER MAKING A WEAKER THAN 5% SOLUTION. ADJUST TO A PH BETWEEN 6 AND 9 WITH AN ACID, SUCH AS SULFURIC OR CITRIC. OPEN COLD WATER TAP COMPLET ELY, SLOWLY POUR THE REACTED MATERIAL TO THE DRAIN. ALLOW COLD WATER TO RUN FOR 5 MINUTES TO COMPLET ELY FLUSH THE SYSTEM.

Handling And Storage Precautions:

AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. STORE BETWEEN 10 AND 25 DEGREES C. KEEP AWAY FROM:ACIDS PROTECT FROM: HEAT MOISTURE.

Other Precautions:

4 AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

Flash Point Method:

N/A

Flash Point:

N/A

Flash Point Text:

N/A

Autoignition Temp:

N/A

Autoignition Temp Text:

ND

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

WATER, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:

AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard: CONTACT WITH METALS GIVES OFF HYDROGEN GAS WHICH IS FLAMMABLE MAY REACT VIOLENTLY WITH: ORGANIC MATERIALS.DURING A FIRE, CORROSIVE AND TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSITION.

Physical/Chemical Properties

HCC:

B1

NRC/State Lic No:

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

>400, C, 752, F

M.P/F.P. Text:

N/A

Decomp Temp:

N/A

Decomp Text:

N/P

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

1.48

VOC Pounds/Gallon:

N/A

PH:

>11

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/A (WATER=1)

Solubility in Water:

PARTIALLY SOLUBLE

Appearance and Odor:

BRIGHT YELLOW POWDER, SOLID.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

STABLE WHEN STORED UNDER NORMAL CONDITIONS. CONDITIONS TO AVOID: EXCESS MOISTURE, HEAT.

Materials To Avoid:

INCOMPATIBLE WITH: ACID METALS COMBUSTIBLE MATERIALS.

Hazardous Decomposition Products:

CONTACT WITH METALS MAY RELEASE FLAMMABLE HYDROGEN GAS. TOXIC FUMES OF: HYDROGEN BROMIDE SODIUM MONOXIDE SULFUR OXIDES.

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:</