

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-904/9045-22-1.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

9045-22-1

Code:

M

RTECS:

Code:

X

Name:

LITHIUM HEPARIN

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:

NOT REQUIRED UNDER NORMAL & INTENDED USES.

Ventilation:

GENERAL ROOM VENTILATION.

Protective Gloves:

RECOMMENDED

Eye Protection:

RECOMMENDED

Other Protective Equipment:

Equipment 4 EMERGENCY EYE BATH.

Work Hygienic Practices:

N/K

Supplemental Safety and Health:

N/K

Health Hazards Data

LD50/LC50/Mixture:

ORAL LD50 (RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

N/K

OSHA:

N/K

Health Hazards Acute And Chronic:

LOCAL IRRITATION, ERYTHEMA, HEMATOMA, ULCERATION MAY FOLLOW DEEP SUBCUTANEOUS INJECTION. INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

IRRITATION, MILD PAIN, NAUSEA, VOMITING, DIARRHEA, NOSEBLEEDS, BLOOD IN URINE, TARRY STOOLS.

Medical Cond Aggravated By Exposure:

HYPERTENSION, CONDITIONS ASSOCIATED W/ INCREASED BLEEDING TENDENCIES, MENSTRUATION, LIVER DISEASE W/IMPAIRED HEMOSTASIS.

First Aid:

EYES/SKIN: WASH WITH LARGE AMOUNTS OF WATER; GET MEDICAL ATTENTION. SUBCUTANEOUS INJECTION: CONTACT A PHYSICIAN IMMEDIATELY; NEUTRALIZE HEPARIN EFFECT. INHALED: MOVE TO FRESH AIR. INGESTED: GIVE 2 GLASSES OF WATER, INDUCE VOMITING, CALL A PHYSICIAN.

Spill Release Procedures:

FLUSH WITH WATER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS. SMALL VOLUMES CAN BE DISPOSED INTO A SEWER SYSTEM.

Handling And Storage Precautions:

STORE & HANDLE ACCORDING TO PACKAGED INSTRUCTIONS. 3

Other Precautions:

BECAUSE HEPARIN IS A MIXTURE OF ACTIVE PRINCIPLES HAVING THE PROPERTY OF PROLONGING CLOTTING TIME OF BLOOD, IT IS NECESSARY TO PREVENT INHALATION.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/K

Flash Point Text:

N/K

Autoignition Temp:

N/K

Autoignition Temp Text:

N/K

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:

NONE

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:

N1

NRC/State LIC No:

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/K

B.P. Text:

N/K

Melt / Freeze Pt:

N/K

M.P./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/K

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/K

PH:

N/K

VOC Grams/Liter:

N/K

Viscosity:

N/K

Evaporation Rate & Reference:

N/K

SOLUBILITY in Water:

N/K

WHITE POWDER. NO CHARACTERISTIC ODOR, IF ANY.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/K

Materials To Avoid:

N/K

Hazardous Decomposition Products:

N/K

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/K

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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