

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-107/107-22-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

107-22-2

Code:

M

RTECS:

MD2625000

Code:

M

Name:

GLYOXAL

Other REC Limits:

N/K

OSHA PEL:

N/K

Code:

M

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

N/K

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NIOSH APPROVED RESPIRATOR FOR VAPOR CONCENTRATIONS AT POINT OF USE.

Ventilation:

ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW SPECIFIED EXPOSURE LIMITS. 3

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GOGGLES

Other Protective Equipment:

Equipment IMPERVIOUS PROTECTIVE CLOTHING, SAFETY SHOWER/EYE WASH STATION.

Work Hygienic Practices:

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

PH: 1.5-3.8. DENSITY: 1.04-1.08. LD50 FOR INGREDIENT GLYOXAL.

Health Hazards Data

LD50LC50Mixture:

ORAL LD50 (RAT): 1100 MG/KG SEE SUPP

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

SKIN/EYES/RESPIRATORY SYSTEM: IRRITANT. GLYOXAL: INHALE: UPPER RESPIRATORY IRRITATION. INGEST: GI TRACT IRRITATION. EYES: DAMAGE. SKIN: IRRITATION. SUCCINIC ACID: INHALE: UPPER RESPIRATORY IRRITATION. EYES/SKIN: IRRITATION. CONFIDENTIAL INGREDIENT: MILD IRRITATION.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

N/K

Medical Cond Aggravated By Exposure:

N/K 2

First Aid:

EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINUTES. SKIN: IMMEDIATELY FLUSH W/WATER FOR 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. COVER BURNS W/STERILE, DRY DRESSING. INHALE: MOVE TO FRESH AIR. GIV EARTIFICAL RESPIRATION/OXYGEN IF NOT/DIFFICULTY BREATHING. INGEST: IF CONSCIOUS, DILUTE BY GIVING PLENTY OF WATER/MILK. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

KEEP PEOPLE AWAY & ISOLATE HAZARD AREA. WEAR PROTECTIVE EQUIPMENT INCLUDING CHEMICAL RESISTANT BOOTS/GLOVES/APRON & SCBA IN THE PRESSURE DEMAND MODE. CONTAIN SPILL & ABSORB W/VERMICULITE OR OTHER ABSORBENT. PLACE RESIDUE IN CLEAN, DOT CONTAINER.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. DISPOSAL/TREATMENT METHODS FOR A MIXTURE OF SOLUTIONS MAY BE SUBSTANTIALLY DIFFERENT THAN FOR THE PRODUCT ITSELF.

Handling And Storage Precautions:

WEARING CONTACT LENSES WHEN WORKING W/CHEMICALS MAY CONTRIBUTE TO THE SEVERITY OF AN INJURY.

Other Precautions:

N/K

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/A

Flash Point Text:

NONFLAMMABLE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

DRY CHEMICAL, CO2, WATER SPRAY, FOAM

Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT/CLOTHING. WATER SPRAY EXPOSED CONTAINERS TO COOL.

Unusual Fire/Explosion Hazard:

N/K

Physical/Chemical Properties

HCC:**NRC/State IC No:**

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/A

B.P. Text:

212F

Melt/Freeze Pt:

N/A

M.P/F.P Text:

N/K

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/A

PH: SUPP

N/A

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

COMPLETE

Appearance and Odor:

CLEAR YELLOWISH LIQUID, W/AROMATIC PLEASANT ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

N/K

Materials To Avoid:

STRONG OXIDIZING AGENTS, BASES

Hazardous Decomposition Products:

TOXIC CARBON OXIDES

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:

N/P

Physical/Chemical Properties

HCC:**NRC/State IC No:**

N/P

Net Prop WT For Ammo:

N/P

Boiling Point:

N/A

B.P. Text:

212F

Melt/Freeze Pt:

N/A

M.P/F.P Text:

N/K

Decomp Temp:

N/A

Decomp Text:

N/A

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

N/A

Spec Gravity:

N/K

VOC Pounds/Gallon:

N/A