

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-270/27025-41-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

27025-41-8

Code:

M

RTECS:

MD0556500

Code:

F

Name:

GLUTATHIONE, OXIDIZED LD50: (ORAL, RAT) >5 G/KG

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:**OSHA STEL:**

N/P

Code:**ACGIH TLV:**

N/P

Code:**ACGIH STEL:**

N/P

Code:

Control Measures

Respiratory Protection:

USE A NIOSH APPROVED RESPIRATOR.

Ventilation:

HANDLE IN A CHEMICAL FUME HOOD WITH ADEQUATE VENTILATION.

Protective Gloves:

CHEMICAL RESISTANT GLOVES.

Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment ANSI APPROVED EYE WASH AND DELUGE SHOWER (FP N). WEAR SUITABLE PROTECTIVE CLOTHING.

Work Hygienic Practices:

4 N/P

Supplemental Safety and Health:PHYSICAL DATA: SOLUBILITY: SOLUBLE IN DMF, ETHANOL AND WATER. GLUTATHIONE, OXIDIZED - MOLECULAR WEIGHT: 612.6; MOLECULAR FORMULA: C₂₀H₃₂N₆O₁₂S₁₂.

Health Hazards Data

LD50/LC50 Mixture:

SEE INGREDIENT & TOXICOLOGICAL INFO

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

MAY BE HARMFUL BY INGESTION, INHALATION OR ABSORPTION THROUGH SKIN. MATERIAL MAY CAUSE IRRITATION TO THE EYES, SKIN, MUCOUS MEMBRANES AND THE UPPER RESPIRATORY TRACT.

Explanation Of Carcinogenicity:

2 N/P

Signs And Symptoms Of Overexposure:

SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:

N/P

First Aid:

SKIN: IN CASES OF SKIN CONTACT, WASH IMMED W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES AND WASH BEFORE WEARING. CONSULT A MD. EYES: IN CASES OF EYE CONTACT, FLUSH IMMED W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING EYELIDS W/FINGERS. CONSULT A MD. INHAL: IN CASES OF INHALATION, REMOVE TO FRESH AIR AND MONIT OR BREATHING. IF BREATHING BECOMES DIFFICULT, GIVE OXYGEN AND CONSULT A MD. IF BREATHING SS

Spill Release Procedures:

EVACUATE AREA. WEAR A NIOSH APPROVED RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP AND PLACE IN A SUITABLE CONTAINER. AVOID RAISING DUST. HOLD FOR APPROPRIATE DISPOSAL. WASH SPILL SITE AND VENTILATE AREA AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:

N/P

Waste Disposal Methods:

COUNTRY, FEDERAL, STATE AND LOCAL REGULATIONS ARE VARIED AND CHANGE FREQUENTLY. FOR THIS REASON, WE RECOMMEND THAT YOU CONTACT YOUR LOCAL DEPARTMENT OF HEALTH SERVICES FOR INFORMATION ON THE DISPOSAL OF THIS PRODUCT OR ARRANGE FOR DISPOSAL BY A LICENSED DISPOSAL COMPANY.

Handling And Storage Precautions:

STORE IN A TIGHTLY CLOSED CONTAINER IN A +4°C REFRIGERATOR. MATERIAL IS AN IRRITANT. AVOID CONTACT WITH MATERIAL. AVOID PROLONGED OR REPEATED EXPOSURE. LAB SHOULD BE EQUIPPED WITH A SAFETY SHOWER AND A N EYE WASH STATION. WASH THOROUGHLY AFTER HANDLING MATERIAL.

Other Precautions:

N/P

Fire and Explosion Hazard Information

Flash Point Method:**Flash Point:****Flash Point Text:**

N/A

Autoignition Temp:**Autoignition Temp Text:**

N/P

Lower Limits:**Upper Limits:****Extinguishing Media:**

DRY CHEMICAL POWDER, CARBON DIOXIDE, WATER SPRAY, ALCOHOL OR POLYMER FOAM.

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N) TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:

UPON THERMAL DECOMPOSITION, IT MAY EMIT TOXIC GASES.

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:****Boiling Point:****N/P Text:**

-178°C, 352°F

M.P./F.P. Text:

N/P

Decomp Temp:**N/P Text:**

N/A

Vapor Pres:

N/P

Vapor Density:

N/A

Vapor Density:

N/A

Volatile Org Content %:**Spec Gravity:**

N/P

VOC Pounds/Gallon:**PH:**

N/P

VOC Grams/Liter:**Viscosity:**

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

SOLUBLE

Appearance and Odor:

WHITE SOLID.

Percent Volatiles by Volume:

N/P

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Under Normal Handling Procedures:

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:

UPON THERMAL DECOMPOSITION, MAY EMIT TOXIC GASES INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES AND SULFUR OXIDES.

Hazardous Polymerization Indicator:

N/P

Conditions To Avoid Polymerization:

N/P

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

Other Information: