

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-131/1313-82-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

1313-82-2

Code:

T

RTECS:

WE1905000

Code:

T

Name:

SODIUM SULFIDE % low Wt: 60. Code: M % high Wt:

Other REC Limits:

N/P

OSHA PEL:

N/P

Code:

N/P

OSHA STEL:

ACGIH TLV: N/P

Code:

1 OSHA STEL:

ACGIH TLV:

N/P

Code:**ACGIH STEL:**

N/P

Code:

Control Measures

Respiratory Protection:

IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: DUST. A FULL-FACE POSITIVE-PRESSURE AIR-SUPPLIED RESPIRATOR MUST BE WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE RELEASED OR HAVE BEEN RELEASED. OBSERVE OSHA STANDARD 29 CFR 1910.134.

Ventilation:

3 GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:

WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection:

WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.

Other Protective Equipment:

Equipment EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:

NOT PROVIDED

Supplemental Safety and Health:

USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL. ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE.

N/K=UNKNOWN. N/P =NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

Health Hazards Data

LD50/LC50 Mixture:

ORAL LD-50 (RAT): 100-200 MG/KG

Route Of Entry Inds - Inhalation:

N/P

Skin:

N/P

Ingestion:

N/P

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EFFECTS OF EXPOSURE: INHALATION: HARMFUL IF INHALED. AIRBORNE DUST IRRITATING. IF HYDROGEN SULFIDE GAS IS LIBERATED DUE TO CONTACT WITH ACID, IT MAY CAUSE HEADACHE, NAUSEA, DIZZINESS, CONFUSION, WEAKNESS, UNCONSCIOUSNESS, CONVULSIONS AND DEATH. EYES: CAUSES BURNS. SKIN: CAUSES BURNS. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED. IF FREE GASTRIC ACIDITY IS HIGH, HYDROGEN SULFIDE IS LIBERATED IN THE STOMACH AND MAY CAUSE SYSTEMIC TOXIC EFFECT

Explanation Of Carcinogenicity:

CARCINOGENICITY CLASSIFICATION (COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Signs And Symptoms Of Overexposure:

INHALATION: AIRBORNE DUST IRRITATING. IF HYDROGEN SULFIDE GAS IS LIBERATED DUE TO CONTACT WITH ACID, IT MAY CAUSE HEADACHE, NAUSEA, DIZZINESS, CONFUSION, WEAKNESS, UNCONSCIOUSNESS, CONVULSIONS AND DEATH. EYES: CAUSES BURNS. SKIN: CAUSES BURNS. INGESTION: MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED. IF FREE GASTRIC ACIDITY IS HIGH, HYDROGEN SULFIDE IS LIBERATED IN THE STOMACH AND MAY CAUSE SYSTEMIC TOXIC EFFECTS SUCH AS VOMITING, RESPIRATORY DEPRESSION, TREMORS, CONVULSIONS

Medical Cond Aggravated By Exposure:

NOT PROVIDED

First Aid:

INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

2 INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON C

Spill Release Procedures:

COLLECT UP AND PUT IN A SUITABLE CONTAINER. AVOID GENERATION OF DUST. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:

NOT PROVIDED

Waste Disposal Methods:

DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY.

Handling And Storage Precautions:

KEEP CONTAINER TIGHTLY CLOSED. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES. POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES. MINIMIZE DUST GENERATION AND ACCUMULATION. KEEP AWAY FROM SOURCES OF IGNITION. KEEP FROM CONTACT WITH OXIDIZING MATERIALS.

Other Precautions:

AVOID BREATHING DUST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES. REFER TO NFPA PAMPHLET NO. 654, "PREVENTION OF FIRE AND DUST EXPLOSIONS IN THE CHEMICAL, DYE, PHARMACEUTICAL, AND PLASTICS INDUSTRIES."

Fire and Explosion Hazard Information

Flash Point Method:

N/A

Flash Point:

N/A

Flash Point Text:

NONE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL

Fire Fighting Procedures:

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:

POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

Physical/Chemical Properties

HCC:

B1

NRC/State Lic No:

NOT RELEVANT

Net Prop WT For Ammo:

N/A

Boiling Point:

=145.C, 293.F

B.P. Text:

N/A

Melt/Freeze Pt:

=90.6C, 195.F

App/F.P. Text:

N/A

Decomp Temp:

Decomp

Decomp Text:

NOT PROVIDED

Vapor Pres:

NEGLIGIBLE

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

1.69

VOC Pounds/Gallon:

N/A

PH:

NOT APPLICABLE

VOC Grams/Liter:

N/A

Viscosity:

NOT APPLICABLE

Appreciable:

N/A

Appearance and Odor:

LIGHT YELLOW SOLID (FLAKE). ODOR: PUNGENT

Percent Volatiles by Volume:

NEGLIGIBLE

Corrosion Rate:

NOT PROVIDED

Reactivity Data

Stability Indicator:

N/A

Stability Condition To Avoid:

N/A

Materials To Avoid:

N/A

Hazardous Decomposition Products:

N/A

Hazardous Polymerization Indicator:

N/A

Conditions To Avoid Polymerization:

N/A

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: