

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-134/1344-08-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

1344-08-7

**Code:**

M

**RTECS:**

**Code:**

X

**Name:**

SODIUM POLYSULFIDE \*93-1\*

**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:**

A NIOSH APPROVED RESPIRATOR FOR DUST & MISTS IS ADVISED. IF RESPIRATORS ARE USED, A FORMAL TRAINING & SCREENING PROGRAM MUST BE INITIATED.

**Ventilation:**

MAINTAIN SUFFICIENT MECHANICAL VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV.

**Protective Gloves:**

ALKALI RESISTANT

**Eye Protection:**

FACE SHIELD OR GOGGLES

**Other Protective Equipment:**

Equipment BOOTS & APRON, SUIT

**Work Hygienic Practices:**

WASH HANDS & FACE W/SOAP & WATER BEFORE SMOKING, EATING. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

CONT. PRECAUTIONS: USE APPROPRIATE SAFETY EQUIPMENT TO AVOID SKIN & EYE CONTACT. ADD SLOWLY TO TEPID WATER WHILE MIXING. NEVER DUMP LARGE AMOUNTS INTO WATER. ADD ONLY AS FAST AS PRODUCT DISSOLVES. MAKE ADDITIONS TO IN-USE TANK SLOWLY & CAUTIOUSLY, PREFERABLY PRE-DISSOLVED IN WATER.

## Health Hazards Data

**LD50/LC50 Mixture:**

N/K

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYE: SEVERE BURN/POSSIBLE PERMANENT TISSUE DAMAGE/BLINDNESS. PRODUCT/SOLUTION W/SKIN: SEVERE IRRITATION/POSSIBLE CHEMICAL BURN/PERMANENT TISSUE DAMAGE. INHALATION: MODERATE TO SEVERE IRRITANT TO RESPIRATORY TRACT/POSSIBLE PERMANENT DAMAGE. INGESTION: SEVERE GASTROINTESTINAL IRRITANT/POSSIBLE TISSUE DAMAGE/HARMFUL/FATAL

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

SKIN: IRRITATION, BURNS. INHALATION: IRRITATION OF RESPIRATORY TRACT. INGESTION: GI TRACT IRRITATION, DEATH. EYES: BURNS, BLINDNESS.

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

EYES: FLUSH W/PLENTY OF WATER FOR 15 MIN., FOLLOW W/NORMAL SALINE FOR 30-60 MIN. SKIN: FLUSH W/PLENTY OF WATER FOR 15 MIN. OR UNTIL SLIPPERY FEEL IS GONE. INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS DILUTE BY GIVING PLENTY OF MILK OR WATER. DON'T GIVE ANYTHING TO UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTN. IN ALL CASES.

**Spill Release Procedures:**

CONTAIN SPILL. S LEAK AT SOURCE. VENTILATE/EVACUATE AREA. PUMP LIQUID INTO DOT-APPROVED DRUMS. ABSORB REMAINING LIQUID W/INERT ABSORBENT & PLACE DOT-APPROVED DRUM. WASH AREA W/WATER. COLLECT WASHINGS. KEEP FROM ENTERING SEWERS OR WATERWAYS.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

TRANSFER TO RECLAMING CENTER FOR RECYCLING OR REUSE, IF POSSIBLE; OR TRANSFER TO LICENSED HAZARDOUS WASTE TREATMENT OR DISPOSAL SITE. IAW/LOCAL, STATE, & REQUIRED REGULATIONS.

**Handling And Storage Precautions:**

STORE IN DRY/PROTECTED AREA. HAZARDOUS CO GAS CAN FORM UPON CONTACT W/FOOD & BEVERAGE PRODUCTS/CAN BE FATAL. FOLLOW APPROPRIATE TANK ENTRY PROCEDURES.

**Other Precautions:**

PERSONNEL ENTERING SUCH AREAS MUST BE PROVIDED W/RESPIRATORY PROTECTION & A SAFETY LINE. THEY SHOULD BE KEPT UNDER OBSERVATION WHILE IN THE AREA BY ANOTHER MAN AT A SAFE DISTANCE. SEE SUPP.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P 3

**Flash Point:**

**Flash Point Text:**

NON-FLAMMABLE

**Autoignition Temp:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

N/R

**Fire Fighting Procedures:**

USE SELF-CONTAINED RESPIRATORY PROTECTION.

**Unusual Fire/Explosion Hazard:**

CONTACT W/REACTIVE METAL. MAY LEAD TO GENERATION OF HYDROGEN GAS IN EXPLOSIVE AMOUNTS. HIGH HEAT MAY LEAD TO GENERATION OF TOXIC HYDROGEN SULFIDE GAS.

## Physical/Chemical Properties

**HCC:**

**NRC/State Lic No:**

**Net Prop WT For Ammo:**

N/K

**Boiling Point:**

220F

**Melt/Freeze Pt:**

N/K

**M.P./F.P. Text:**

N/K

**Decomp Temp:**

N/K 4

**Decomp Text:**

N/K 4

**Vapor Pres:**

17

**Vapor Density:**

>1

**Volatile Org Content %:**

N/K

**Spec Gravity:**

1.29

**VOC Pounds/Gallon:**

N/K

**pH:**

SUPP

**VOC Grams/Liter:**

N/K

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

(BU AC = 1)

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

REDDISH BROWN LIQUID W/SULFUROUS ODOR.

**Percent Volatiles by Volume:**

63

**Corrosion Rate:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Hazardous Decomposition Products:**

HYDROGEN SULFIDE GAS, SULFUR OXIDES & ACID GASES, CO, HYDROGEN GAS

**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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WARRANTY

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