



ACUTE INGESTION.....: If ingested, sodium polysulfide is corrosive to the tissues with which it comes in contact. Ingestion may cause burning pain in the mouth, throat, esophagus and abdomen.

CHRONIC EFFECTS OF EXPOSURE...: No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

CARCINOGENICITY.....: The components of this product are not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: Persons with preexisting eye or skin conditions or impaired pulmonary function may be more susceptible to the effects of this product.

**4. FIRST AID MEASURES:**

FIRST AID FOR EYES.....: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

FIRST AID FOR SKIN.....: Flush affected areas promptly with water and soap for 15 minutes. Remove contaminated clothing. In case of continued irritation consult physician.

FIRST AID FOR INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

FIRST AID FOR INGESTION.: If swallowed, rinse mouth with plenty of water, call a Physician.

**5. FIRE FIGHTING MEASURES:**

FLASH POINT.....: Noncombustible

EXTINGUISHING MEDIA.....: Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

SPECIAL FIRE FIGHTING PROCEDURES: Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES:**

SPILL OR LEAK PROCEDURES.....: Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dike Spill. Prevent liquid from entering sewers, waterways, or low areas. Soak up with sawdust, sand, oil dry or other absorbent material. For disposal see section 13.

**7. HANDLING AND STORAGE:**

STORAGE TEMPERATURE (MIN/MAX): Store between 40 F (4.4 C) and 80 F (26 C). Preferred storage is at 68 F (20 C).

SHELF LIFE.....: N.A.

SPECIAL SENSITIVITY.....: Keep from freezing.

HANDLING/STORAGE PRECAUTIONS: Avoid eye and skin contact, and store in well-ventilated area. Keep container tightly closed. Do not store with incompatible materials. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material. For incompatibles see section 10.

OTHER NOTES.....: Keep out of the reach of children.

**8. PERSONAL PROTECTION:**

PROTECTIVE CLOTHING REQUIREMENTS...: Splash protection required for eyes, e.g., eye glasses with side shields or goggles. For skin protection use chemical resistant gloves and aprons, e.g. made of neoprene, rubber or vinyl.

VENTILATION REQUIREMENTS.....: Use sufficient general room ventilation and/or local exhaust to maintain airborne levels of vapors below applicable exposure limits (see Section 2).

RESPIRATOR REQUIREMENTS.....: Under normal conditions of use, respirator protection is not required. If respirators are used, institute a program in accordance with OSHA standard 29CFR1010.134.

ADDITIONAL PROTECTIVE MEASURES.....: Emergency showers and eye wash stations should be made available. Educate and train employees in the safe use and handling of this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

PHYSICAL FORM.....: Liquid  
COLOR.....: Red to brown  
ODOR.....: Smell of hydrogen sulfide (foul smelling)  
pH .....: 14  
BOILING POINT.....: Greater than 212 F (100 C)  
MELTING/FREEZING POINT....: Less than 32 F (0 C)  
SOLUBILITY IN WATER .....: Soluble  
SPECIFIC GRAVITY .....: 1.300 at 68 F (20 C)  
BULK DENSITY.....: Not Applicable  
VAPOR PRESSURE .....: Approx. 23 mbar at 68 F (20 C)

**10. STABILITY AND REACTIVITY:**

STABILITY.....: This is a stable material.  
HAZARDOUS POLYMERIZATION...: Will not occur.  
INCOMPATIBILITIES.....: Contact with acids liberates toxic gas (hydrogen sulfide).  
Corrodes metals.  
INSTABILITY CONDITIONS.....: None known.  
DECOMPOSITION PRODUCTS.....: In case of fire, hydrogen sulfide, sulfur dioxide, and other potentially toxic fumes.

**11. TOXICOLOGICAL INFORMATION:**

NO ANIMAL TOXICITY INFORMATION AVAILABLE

**12. ECOLOGICAL INFORMATION:**

NO ECOLOGICAL INFORMATION AVAILABLE

**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD.....: Recover nonusable free liquid and/or contaminated water, and dispose of in an approved and permitted treatment system.  
Remove nonusable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Discharge to sewer may require approval of permitting authority and may require pretreatment.

**14. TRANSPORTATION INFORMATION:**

TECHNICAL SHIPPING NAME.....: Sodium Polysulfide  
PRODUCT LABEL.....: Viradon

DOT (DOMESTIC SURFACE)  
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PROPER SHIPPING NAME.....: Corrosive liquid, basic, inorganic, n.o.s.  
HAZARD CLASS OR DIVISION .....: 8  
UN/NA NUMBER.....: UN3266  
PACKING GROUP .....: III  
DOT PRODUCT RQ lbs (kgs).....: None  
HAZARD LABEL(s).....: Corrosive  
HAZARD PLACARD(s).....: Corrosive

Limited Quantity Exception may apply to this product, for "inner packagings not over 1.0 L (0.3 gal) for liquids and 1.0 kg (2.2 lb) for solids". 173.154 (b) (1). Each package must conform to the packaging requirements of Subpart B of Part 173 and may not exceed 30 kg (66 lb) gross weight. For further information consult the 49 CFR.

IMO / IMDG CODE (OCEAN)

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 PROPER SHIPPING NAME.....: Corrosive liquid, basic, inorganic, n.o.s.  
 HAZARD CLASS DIVISION NUMBER...: 8  
 UN NUMBER.....: UN3266  
 PACKAGING GROUP.....: III  
 HAZARD LABEL(s).....: Corrosive  
 HAZARD PLACARD(s).....: Corrosive

ICAO / IATA (AIR)

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 PROPER SHIPPING NAME.....: Corrosive liquid, basic, inorganic, n.o.s.  
 HAZARD CLASS DIVISION NUMBER...: 8  
 UN NUMBER.....: UN3266  
 SUBSIDIARY RISK.....: None  
 PACKING GROUP.....: III  
 HAZARD LABEL(s).....: Corrosive  
 RADIOACTIVE?.....: Non-Radioactive  
 PASSENGER AIR - MAX. QTY. ....: 5 L  
 PASSENGER PACKING INSTRUCTION...: 818  
 CARGO AIR - MAX. QTY. ....: 60 L  
 CARGO AIR PACKING INSTRUCTION...: 820

**15. REGULATORY INFORMATION:**

OSHA STATUS.....: This product is hazardous under the criteria of  
 the Federal OSHA Hazard Communication Standard 29  
 CFR 1910.1200.  
 TSCA STATUS.....: On TSCA Inventory  
 CERCLA REPORTABLE QUANTITY...: None  
 SARA TITLE III:  
 SECTION 302 EXTREMELY  
 HAZARDOUS SUBSTANCES...: None  
 SECTION 311/312  
 HAZARD CATEGORIES.....: Immediate Health Hazard  
 SECTION 313  
 TOXIC CHEMICALS.....: None  
 RCRA STATUS.....: When discarded in its purchased form, this  
 product meets the criteria of corrosivity, and  
 should be managed as a hazardous waste (EPA  
 Hazardous Waste Number D002). (40 CFR 261.20-24)

The following chemicals are specifically listed by individual states; other  
 product specific health and safety data in other sections of the MSDS may also  
 be applicable for state requirements. For details on your regulatory  
 requirements you should contact the appropriate agency in your state.

COMPONENT NAME /CAS NUMBER	CONCENTRATION	STATE CODE
Water 7732-18-5	70-80 %	PA3, NJ4
Sodium Polysulfide 1344-08-7	20-30 %	PA3, NJ4

NJ4 = New Jersey Other - included in 5 predominant ingredients > 1%  
 PA3 = Pennsylvania Non-hazardous present at 3% or greater.

**16. OTHER INFORMATION:**

HMIS RATINGS:           Health   Flammability   Reactivity   Personal Prot  
                           3           0           1           B  
 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe  
 B=Safety Glasses, Gloves

AGFA's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by AGFA as a customer service.

REASON FOR ISSUE.....: Reviewed, Harmonized  
PREPARED BY.....: R. Ruppel-Kerr  
APPROVED BY.....: M. Patrick  
APPROVAL DATE.....: 05/13/2003  
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MSDS NUMBER.....: 34174

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