

FISHER SCIENTIFIC, CHEMICAL DIV. -- SODIUM NITROPRUSSIDE,S 350 100,S 350100 --  
6505-01-009-5019

===== Product Identification =====

Product ID:SODIUM NITROPRUSSIDE,S 350 100,S 350100  
MSDS Date:12/12/1997  
FSC:6505  
NIIN:01-009-5019  
MSDS Number: BPXFM  
=== Responsible Party ===  
Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.  
Address:1 REAGENT LANE  
City:FAIR LAWN  
State:NJ  
ZIP:07410  
Country:US  
Info Phone  
Num:201-796-7100 OR 201-796-7523  
Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)  
CAGE:1B464  
=== Contractor Identification ===  
Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV  
Address:1 REAGENT LANE  
Box:City:FAIRLAWN  
State:NJ  
ZIP:07410-2802  
Country:US  
Phone:201-796-7100  
CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM NITROPRUSSIDE/NITROFERRICYANIDE  
CAS:14402-89-2  
RTECS #:LJ8750000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMEND  
ED  
OSHA PEL:5 MG/M3 (CYANIDES)  
ACGIH TLV:S, 5 MG/M3 CYANIDES

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 99 MG/KG.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:HEART. ACUTE- MAY BE  
HARMFUL IF SWALLOWED. MAY CAUSE CARDIAC DISTURBANCES. EYE CONTACT  
MAY CAUSE IRRITATION. MAY IRRITATE SKIN ON CONTACT. INHALATION MAY

CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE CARDIAC ABNORMALITIES. THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN FULLY INVESTIGATED. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DISCOMFORT, TEARING, BLURRING OF VISION, NAUSEA, HEADACHE, DIZZINESS, VOMITING, WEAKNESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED HEART OR RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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===== First Aid Measures =====

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:IMMEDIATELY FLUSH WITH PLENTY OF WATER. ORAL:IF CONSCIOUS & ALERT, DRINK 2-4 CUPFULS OF MILK OR WATER. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:SMALL FIRE:WATER SPRAY, CARBON DIOXIDE, ALCOHOL-RESISTANT FOAM/DRY CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS OR SMOKE

Unusual Fire/Explosion Hazard:TOXIC GASES

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING AND RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC DUSTS. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. AVOID DUST DISPERSAL. PACKAGE FOR DISPOSAL. WET SWEEPING OR VACUUMING IS RECOMMENDED. WASH SPILL AREA TO REMOVE RESIDUAL CONTAMINATE

Neutralizing Agent:NOT RELEVANT

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===== Handling and Storage =====

Handling a

nd Storage Precautions:STORE IN COOL, DRY, VENTILATED PLACE  
AWAY FROM STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED.  
PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID BREATHING DUSTS. AVOID  
CONTACT WITH EYES AND SKIN. KEEP OUT OF REACH OF CHILDREN. MINIMIZE  
DUST GENERATION AND ACCUMULATION. WASH THOROUGHLY AFTER HANDLING  
AND BEFORE EAT ING AND DRINKING.

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===== Exposure Controls/Personal Protection =====

Respiratory Pr

otection:NONE NEEDED. IF AIRBORNE CONCENTRATIONS ARE  
HIGH, WEAR NIOSH-APPROVED RESPIRATOR FOR DUST OR DUST MASK.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR  
DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:NATURAL RUBBER

Eye Protection:DUST-RESISTANT GOGGLES

Other Protective Equipment:EYEBATH, WASHING FACILITY, UNIFORM

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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=== Physical/Chemical Properties =====

HCC:T4

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:1.72

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:40% @ 20C/68F

Appearance and Odor:CLEAR, DARK RED SOLID

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:DUST GENERATION

Hazardous Decomposition Products:TOXIC NITROGEN OXIDES, CARBON

MONOXIDE, CARBON DIOXIDE, AND SODIUM OXIDE

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL,  
STATE & LOCAL ENVIRONMENTAL REGULATIONS. REUSING OR RECYCLING IS  
RECOMMENDED.

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