

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 N

um: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 RECOMMENDE

D

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.

===== 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

===== 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

===== 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

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

Handling an

d 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.

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

Respiratory Protection: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

===== 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

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

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

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