

FISHER SCIENTIFIC -- S347500;SODIUM NITRITE -- 6810-00-241-1140

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

Product ID:S347500;SODIUM NITRITE

MSDS Date:01/07/1995

FSC:6810

NIIN:00-241-1140

MSDS Number: BPBKC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7523;800-424-9300(CH

EMTREC)

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 NITRITE (CERCLA)

CAS:7632-00-0

RTECS #:RA1225000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

=====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 85MG/KG (RTECS 94-3)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:\*\*METHEMOGLOBIN FORMER\*\* EYES:MAY CAUSE SEVERE IRRITATION.SKIN:MAY CAUSE IRRITATION.INGEST:TOXIC.MAY CAUSE GI TRACT IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.

Explanation of Carcinogenicity:SODIUM NITRITE INCREASES THE OCCURANCE OF TUMORS IN THE GI TRACT,LIVER AND LUNGS.

Effects of Overexposure:ACUTE EXPOSURE:HYPOTENSION,METHEMOGLOBIN FORMATION WITH CYANOSIS,HEADACHE,DIZZINESS,WEAKNESS,FAINTING.INHAL:SORE THROAT,SHORTNESS OF BREATH.SKIN:DERMATITIS.EYES:CONJUNCTIVITIS.INGEST:NAUSEA,VOMITING,DIARRHEA,ABDOMINAL PAIN,SPINNING HEAD,ELEVATED PULSE,HYPOTENSION.

Medical Cond Aggravated by Exposure:MAY CAUSE SENSITIVITY IN PREGNANT WOMEN.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND MILD DETERGENT AND WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH NORMAL SALINE OR WATER FOR 15 MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.KEEP AT REST.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.REMOVE BY GASTRIC LAVAGE OR EMESIS.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:1000F

Extinguishing Media:WATER ONLY.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:\*\*OXIDIZER\*\* YIELDS OXYGEN UPON COMBUSTION WHICH CAN INCREASE BURNING RATE OF OTHER COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:REMOVE COMBUSTIBLE MATERIALS.VENTILATE AREA.USE PROPER PROTECTIVE AND

RESPIRATORY EQUIPMENT.SWEEP OR SHOVEL;DO NOT CREATE DUST;PLACE IN A DRY CONTAINER.WET SPILLS:ADD CALCIUM HYPOCHLORITE;ADJUST PH TO 7;SOAK UP WITH INERT ABSORBANT.RQ=100LBS.

Neutralizing Agent:CALCIUM HYPOCHLORITE(FOR WET SPILLS).

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM COMBUSTIBLE MATERIALS AND INCOMPATIBLE MATERIALS.

Other Precautions:\*\*OXIDIZER\*\*

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

Respiratory Protection:USE A TYPE C SUPPLIED AIR RESPIRATOR OPERATED IN THE POSITIVE PRESSURE MODE.FOR FIRE CONDITIONS,ALSO USE AN AUXILLARY SELF-CONTAINED BREATHING APPARATUS EITHER IN PRESSURE DEMAND OR POSITIVE PRESSURE MODE.

Ventilation:FUME HOOD.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:DUST-PROOF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE

A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

SYMPTOMS OF METHEMOGLOBIN FORMATION MAY BE DELAYED FOR A FEW HOURS:CYANOSIS,SEVERE THROBING HEADACHE ...SHALLOW RESPIRATION,DIZZINESS,CONFUSION,LETHARGY,STUPOR.ABOVE 70%:CONVULSIONS,DEATH(BY CIRCULATORY COLLAPSE).ANTIDOTE:1% METHYLENE BLUE AT 0.1ML/KG OVER 10 MINUTES.

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

HCC:D2

Boiling Pt:B.P. Text:608F,320C

Melt/Freeze Pt:M.P/F.P Text:520F,271C

Decomp Temp:Decomp Text:608F,320C

Solubility in Water:APPRECIABLE;15%

Appearance and Odor:GRANULES/RODS;WHITE TO SLIGHTLY YELLOW.ODOR NOT REPORTED.HYGROSCOPIC.

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

Stability Indicator/Materials to Avoid:YES  
REDUCING AGENTS.

Stability Condition to Avoid:OXIDIZABLE,COMBUSTIBLE OR ORGANIC MATERIALS.

Hazardous De

composition Products:NITROGEN OXIDES AND SODIUM OXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODE IS D001(IGNITABLE).

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.