

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 =====

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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).

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Handling and Storage
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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**

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Exposure Controls/Personal Protection
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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.

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Physical/Chemical Properties
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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.

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Stability and Reactivity Data
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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).

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