

FISHER SCIENTIFIC CHEMICAL DIV -- SO-B-104 BUFFER SOLUTIONS -- 6630-00-312-7117

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

Product ID:SO-B-104 BUFFER SOLUTIONS

MSDS Date:11/01/1988

FSC:6630

NIIN:00-312-7117

MSDS Number: BXNWZ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CHEMICAL DIV

Address:1 REAGENT LN

City:FAIR LAWN

State:NJ

ZIP:07410-2802

Country:US

Info Phone Num:201-796-7100/201-796-7523

Emergency Phone Num:201-796-7100/201-796-7523

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 PHOSPHATE, DIBASIC, ANHYDROUS, DISODIUM PHOSPHATE

CAS:7558-79-4

RTECS #:WC4500000

Fraction by Wt: 0.5-6%

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:

POTASSIUM PHOSPHATE (MONOBASIC) *95-1*

CAS:7778-77-0

Fraction by Wt: 0.6-9%

Ingred Name:POTASSIUM PHOSPHATE, DIBASIC *95-1*

CAS:7758-11-4

Fraction by Wt: 0-2%

Ingred Name:AMMONIUM CHLORIDE

CAS:12125-02-9

RTECS #:BP4550000

Fraction by Wt: 0-0.15%

OSHA PEL:10 MG/CUM

ACGIH TLV:10 MG/CUM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:FORMALDEHYDE, FORMALIN (SUSPECTED HUMAN CARCINOGEN BY IARC;
ACGIH; SUSPECTED CARCINOGEN BY NTP; IARC - GROUP 2A) *95-1*

CAS:50-00-0

RTECS #:LP8925000

Fra

ction by Wt: 0-0.4%

ACGIH TLV:0.37 MG/CUM IC (2A)

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 93-98.9%

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:INHALATION: RESPIRATORY TRACT

IRRITATION. SKIN: STRONG/LOCAL IRRITATION, DERMATITIS. EYES:

IRRITATION, CORNEAL

INJURY, CONJUNCTIVITIS.

Explanation of Carcinogenicity:SEE INGREDIENTS.

Effects of Overexposure:IRRITATION, COUGHING, ERYTHEMIA, PAIN,

BLISTERS, ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, SHOCK,

HYPOTENSION, SLOW PULSE, CYANOSIS, COMA, CONVULSIONS.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED.

MAINTAIN AIRWAY & BLOOD PRESSURE. KEEP WARM & QUIET. SKIN: WASH

W/SOAP/MILD DETERGENT & WATE

R FOR 15-20 MINS. EYES: FLUSH
W/WATER/NORMAL SAL INE FOR 15-20 MINS. INGESTION: IF CONSCIOUS &
NOT CONVULSIVE, GIVE 2-4 GLASSES OF WATER. INDUCE VOMITING BY
TOUCHING FINGER TO BACK OF THROAT. OBTAIN MEDICAL ATTENTION IN ALL
CASES. (SEE SUPP)

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

Extinguishing Media: DRY CHEMICAL, CO2, HALON, WATER SPRAY, STANDARD
FOAM. LARGE: WATER SPRAY, FOG, STANDARD FOAM.

Fire Fighting Procedures: MOVE CONTAINER FROM AREA IF
POSSIBLE. AVOID
BREATHING VAPORS/DUSTS. KEEP UPWIND.

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

Spill Release Procedures: NO SPECIAL PRECAUTIONS INDICATED.

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

Handling and Storage Precautions: AVOID SKIN & EYE CONTACT.

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

Respiratory Protection: NONE REQUIRED.

Ventilation: GENERAL DILUTION.

Protective Gloves: REQUIRED

Eye Protection: SPLAS

H-PROOF SAFETY GOGGLES & FACESHIELD

Other Protective Equipment: DUST-RESISTANT SAFETY GOGGLES & FACESHIELD,
IMPERVIOUS CLOTHING, EYE WASH FOUNTAIN, QUICK DRENCH SHOWER.

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES
BEFORE REUSE. CONTACT LENSES SHOULDN'T BE WORN.

Supplemental Safety and Health

FIRST AID CONT'D: NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY &
SUPPORTIVELY.

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

Boiling Pt: B.P. Text: 2

12F

Melt/Freeze Pt:M.P/F.P Text:32F

Vapor Pres:14

Vapor Density:0.7

pH:6-8

Evaporation Rate & Reference:(ETHER = 1): >1

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID (RED, YELLOW/BLUE FOR COLOR CODED SOLUTIONS).

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

Stability Indicator/Materials to Avoid:YES

SODIUM PHOSPHATE & DIBASIC.

Hazardous Decomposition Products:TOXIC & HAZARDOUS OXIDES OF PHOSPHORUS & SODIUM.

===== Dis

posal Considerations =====

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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