

FISHER SCIENTIFIC, CHEMICAL DIV. -- S0B98 BUFFER SOLUTION (PH 3.0) -- 6550-00-973-9005

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

Product ID:S0B98 BUFFER SOLUTION (PH 3.0)

MSDS Date:05/27/1991

FSC:6550

NIIN:00-973-9005

MSDS Number: BPF GH

=== 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

Em

ergency 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:POTASSIUM HYDROGEN PHTHALATE

CAS:77-24-7

Fraction by Wt: 1.0%

Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 0.07%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 0.02%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 93

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

ONE RECOMMENDED

Ingred Name:FORMALDEHYDE (SARA III)
CAS:50-00-0
RTECS #:LP8925000
Fraction by Wt: 0.05%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1048
ACGIH TLV:C 0.3 PPM; A2; 9293
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CONTACT WITH EYE AND SKIN MAY
CAUSE IRRITATION
. INHALATION MAY CAUSE RESPIRATORY IRRITATION.
INGESTION MAY CAUSE DIGESTIVE SYSTEM DISTURBANCES. CHRONIC:
CONJUNCTIVITIS, DERMATITIS.
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT
IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYES: REDNESS AND PAIN. SKIN: IRRITATION.
INHALATION: IRRITATION. INGESTION: NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated by Exposure:NONE NOTED.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.IF
IRRITATION PERSISTS,SEE DOCTOR. SKIN:WASH WITH MILD SOAP AND WATER
WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION:REMOVE
VICTIM T O FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE DOCTOR.
INGESTION:DO NOT INDUCE VOMITING.SEE DOCTOR IMMEDIATELY.IF VOMITING
OCCURS,KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.

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

Exting

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. THERMAL DECOMPOSITION MAY RELEASE TOXIC AND/OR HAZARDOUS GASES.

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

Spill Release

Emergency Procedures:ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental

Safety and Health

NONE.

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

HCC:C3

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C

Vapor Pressure:23

Vapor Density:0.6

Specific Gravity:1.0

pH:3.0

Evaporation Rate & Reference:1.0 (WATER = 1)

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID.

Percent Volatiles by Volume:NEGL.

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

Stability Indicator/Materials to Avoid:YES

BUFFER SOLUTION

N PH 10.0

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE
TOXIC AND/OR HAZARDOUS GASES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL
REGULATIONS.

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.