

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  
E  
mergency 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

NONE 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

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===== Hazards Identification =====  
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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 IRRITATIO

N. 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.

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

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===== Fire Fighting Measures =====  
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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 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 Pres:23

Vapor Density:0.6

Spec 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

ON 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.

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