

MICRO ESSENTIAL LABORATORY -- HYDRION BUFFER SALTS PH 10.00,4122-F 53 --  
6810-01-239-7563

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

Product ID:HYDRION BUFFER SALTS PH 10.00,4122-F 53

MSDS Date:01/05/1996

FSC:6810

NIIN:01-239-7563

MSDS Number: BZQYT

=== Responsible Party ===

Company Name:MICRO ESSENTIAL LABORATORY

Address:4224 AVENUE H

City:BROOKLYN

State:NY

ZIP:11210-3518

Country:US

Info Phone Num:718-3

38-3618

Emergency Phone Num:718-338-3618

CAGE:93255

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:MICRO ESSENTIAL LABORATORY

Address:4224 AVENUE H

Box:10824

City:BROOKLYN

State:NY

ZIP:11210-3510

Country:US

Phone:718-338-3618/ FAX 718-692-4491

CAGE:93255

Company Name:THOMAS SCIENTIFIC COMPANY

Address:99 HIGH HILL ROAD AT I-295

Box:City:SWEDESBORO

State:NJ

ZIP:08

085-0099  
Country:US  
Phone:856-467-2000  
Contract Num:SP0450-99-M-NG63  
CAGE:59728

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Composition/Information on Ingredients  
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Ingred Name:SODIUM BICARBONATE  
CAS:144-55-8  
RTECS #:VZ0950000  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 4200 MG/KG.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:NO  
Health Haza  
rds Acute and Chronic:TARGET ORGANS: N/P. ACUTE: N/A.  
CHRONIC: MAY CAUSE EYE AND SKIN IRRITATION.  
Explanation of Carcinogenicity:NONE ESTABLISHED.  
Effects of Overexposure:INHALED: MAY CAUSE IRRITATION TO THE NOSE AND  
THROAT. CONTACT WITH SKIN OR EYES: MAY CAUSE IRRITATION. ABSORBED  
THROUGH SKIN: MAY CAUSE SKIN IRRITATION. SWALLOWED: CAN BE HARMFUL  
TO THE STOMACH IN LAR GE DOSES.  
Medical Cond Aggravated by Exposure:MAY CAUSE SKIN OR EYE IRRITATION.

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First  
Aid Measures  
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First Aid:GET MEDICAL HELP IF NEEDED. EYES:FLUSH WITH WATER FOR 15  
MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH PLENTY OF WATER.  
INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:  
GET MEDICAL AT TENTION.

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONT

AINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:DECOMPOSITION CAN OCCUR.

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

Spill Release Procedures:SWEEP UP MATERIAL FOR DISPOSAL OR RECOVERY. THOROUGHLY SWEEP OR WASH AREA OF SPILL TO CLEAN UP ANY RESIDUAL MATERIAL. VENTILATE AREA. NEUTRALIZE BEFORE DISPOSAL.

Neutralizin

g Agent:WEAK ACID

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF DUST. KEEP OUT OF REACH OF CHILDREN. DO NOT INGEST. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD/HOUSEHOLD USE. USE WITH ADEQUATE VENTILATION.

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

Resp

iratory Protection:NONE NORMALLY REQUIRED. IF EXCESSIVE DUST PRESENT, A NIOSH-APPROVED DUST RESPIRATOR OR AIR SUPPLIED RESPIRATOR IS ADVISED.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO KEEP DUST LEVEL AS LOW AS POSSIBLE.

Protective Gloves:NEOPRENE OR LATEX RECOMMENDED

Eye Protection:DUST-RESISTANT GOGGLES/SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, NORMAL WORK CLOTHING COVERING ARMS AND LEGS

Work Hygie

nic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

THIS IS FOR PH OF 10.00. PNI A FOR PH RANGE OF 9 TO 11.

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

HCC:B3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:=270.C, 518.F

Decomp Temp:=50.C, 122.F

Spec Gravity:2.16

pH:10

Viscosity:NOT RELEVANT

Solubility in Water:10% @ 77F/

25C

Appearance and Odor:WHITE ODORLESS CRYSTALLINE OR GRANULAR POWDER -

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

Stability Indicator/Materials to Avoid:YES

ACIDS, AMMONIUM PHOSPHATE MONOBASIC

Stability Condition to Avoid:EXCESSIVE HEAT (TEMPETSTURES ABOVE 50C/122F), MOISTURE. CONTACT WITH ACIDS RELEASE CARBON DIOXIDE GAS.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, SODIUM OXIDE MAY BE FORMED.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZE BEFORE DISPOSAL.

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