

MICROESSENTIAL LABORATORY -- HYDRION BUFFER SALTS PH 9.00 THROUGH 11.00,4122-F 53 --
6810-01-239-7563

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

Product ID:HYDRION BUFFER SALTS PH 9.00 THROUGH 11.00,4122-F 53

MSDS Date:01/05/1996

FSC:6810

NIIN:01-239-7563

MSDS Number: BWNQH

=== Responsible Party ===

Company Name:MICROESSENTIAL LABORATORY

Address:4224 AVENUE H

City:BROOKLYN

State:NY

ZIP:11210

Country:US

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Info Phone Num:718-338-3618

Emergency Phone Num:718-338-3618/3619

CAGE:NO279

=== Contractor Identification ===

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:MICROESSENTIAL LABORATORY

Address:4224 AVENUE H

Box:City:BROOKLYN

State:NY

ZIP:11210

Country:US

Phone:718-338-3618

CAGE:NO279

Company Name:THOMAS SCIENTIFIC COMPANY

Address:99 HIGH HILL ROAD AT I-295

Box:City

y:SWEDSBORO
State:NJ
ZIP:08085-0099
Country:US
Phone:856-467-2000
CAGE:59728

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Composition/Information on Ingredients
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Ingred Name:SODIUM CARBONATE
CAS:497-19-8
RTECS #:VZ4050000
Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
& GI TRACTS. ACUTE- CAUSES SKIN & EYE IRRITATION & EYE BURNS. DUST
IS IRRITATING TO THE RESPIRATORY TRACT. INGESTION CAN SEVERELY
DAMAGE MUCOUS MEMBRANES & CAUSE PAIN, VOMITING, DIARRHEA &
CIRCULATORY COLLAPSE. CHRONIC- MAY CAUSE EYE DAMAGE. MAY IRRITATE
MUCOUS MEMBRANES.

Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, SHORTNESS OF BREATH, REDNESS OF
EYES & PAIN, BLURRED VISION, BURNS, NAUSEA, VOMITING, AB
DOMINAL
PAIN, DIARRHEA, CIRCULATORY COLLAPSE
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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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 NE

CESSARY.

ORAL:DO NOT INDUCE V OMITING. IF CONSCIOUS, DRINK WATER FREELY & GET MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

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

D.

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.

Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AWAY FROM I

NCOMPATIBLE 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 VENTILA TION.

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

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

Ventilation:PROV

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

Protective Gloves:NEOPRENE, PVC

Eye Protection:DUST-RESISTANT GOGGLES/SAFETY GLASSES

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

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

Supplemental Safety and Health

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

HCC:B3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:1564F,851C

Decomp Temp:Decomp Text:752F,400C

Spec Gravity:2.53

pH:9-11

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:22% @ 68F/20C

Appearance and Odor:WHITE GRANULAR POWDER - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

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CIDS, HOT ALUMINUM, FLUORINE, PHOSPHORUS PENTOXIDE

Stability Condition to Avoid:EXCESSIVE HEAT (TEMPETSTURES ABOVE
400C/752F), MOISTURE

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

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

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

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