

MICRO ESSENTIAL LABORATORY -- HYDRION BUFFER SALTS PH 5.00 THROUGH 8.00 AND PH 12.00 -- 6810-01-239-7562

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

Product ID:HYDRION BUFFER SALTS PH 5.00 THROUGH 8.00 AND PH 12.00

MSDS Date:11/02/1998

FSC:6810

NIIN:01-239-7562

Status Code:A

MSDS Number: CJZTX

=== Responsible Party ===

Company Name:MICRO ESSENTIAL LABORATORY

Address:4224 AVE H

City:BROOKLYN

State:NY

ZIP:1

1210-3510

Country:US

Info Phone Num:718-338-3618

Emergency Phone Num:718-338-3618

CAGE:93255

=== 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:THOMAS SCIENTIFIC COMPANY

Address:99 HIGH HILL ROAD AT I-295

Box:City:SWEDESBORO

State:NJ

ZIP:08085-0099

Country:US

Phone:856-467-2000

Contract Num:SP0450-00-M-D436

CAGE:59728

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Composition/Information on Ingredients =====

Ingred Name:POTASSIUM PHOSPHATE MONOBASIC
CAS:7778-77-0

===== 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: NOT DOCUMENTED. CHRONIC: MAY IRRITATE EYES AND NOSE, CAN CAUSE SKIN IRRITATION AND BURNS TO EYES. MAY RESULT IN INTESTINAL IRRITATION.
Explanation of Carcinogenicity:NOT DOCUMENTED AS A CARCINOGEN.
Effects of Overexposure:INHALED: DUST MAY IRRITATE NOSE AND THROAT. CONTACT WITH SKIN OR EYES: MAY CAUSE SEVERE IRRITATION AND BURNS WHEN EXPOSED TO HIGH CONCENTRATIONS. SKIN: MAY CAUSE IRRITATION AND DERMATITIS. SWALLOWED: MAY RESULT IN INTESTINAL IRRITATION WITH BURNS TO THE MOUTH. INGESTION MAY CAUSE NAUSEA AND VOMITING.
Medical Cond Aggravated by Exposure:MAY RESULT IN INTESTINAL IRRITATION IF SWALLOWED. MAY IRRITATE EYES, NOSE AND SKIN.

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

First Aid:EYE CONTACT: FLUSH THOROUGH WITH COLD WATER FOR ABOUT 15 MINUTES AND GET MEDICAL ASSISTANCE. SKIN CONTACT: WASH WITH SOAP AND COLD WATER. GET MEDICAL ASSISTANCE FOR PERSISTENT DERMATITIS. INHALED: RE MOVE TO FRESH AIR. GET MEDICAL ASSISTANCE. SWALLOWED: GET MEDICAL ASSISTANCE.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPARATUS. MOVE EXPOSED CONTAINERS FROM FIRE AREA. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. PHOSPHORUS OXIDE WILL FORM WHEN EXPOSED TO HIGH TEMPERATURES.

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

Spill Release Procedures:WEAR SELF-PROTECTIVE EQUIPMENT

CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE CLOTHING IF DUST CONCENTRATION IS HIGH. PLACE MATERIAL INTO CLEAN DRY CONTAINER AND REMOVE FROM AREA FLUSH SPILL AREA WITH WATER. IF PREPARED BUFFER SOLUTION IS SPILLED NEUTRALIZE AND MOP AREA.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED IN A DRY PLACE AT CONTROLLED ROOM TEMPERATURE. DO NOT GET INTO EYES, SKIN OR ON CLOTHING, WASH THOROUGHLY AFTER HANDLING.

Other Precautions:NONE

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION EXISTS. IF AIRBOURNE DUST CONCENTRATION IS HIGH USE APPROPRIATE NIOSH APPROVED DUST RESPIRATOR.

Ventilation:LOCAL EXHAUST AND OR MECHANICAL (GENERAL) VENTILATION TO KEEP FUME AND DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:RUBBER, NEOPRENE OR EQUIVALENT.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS

Other Protective Equipment:FULL COVER APPROVED WORK CLOTHES.

Work Hygienic Practices:DO NOT BREATHE DUST. DO NOT GET IN EYES. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH WITH COLD WATER AFTER USE. DO NOT TAKE INTERNALLY

Supplemental Safety and Health

WEAR FULL COVER CLOTHING. DUST RESPIRATOR, AND GLOVES WHEN EXPOSED TO BULK POWDER HANDLING.

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

HCC:N1

Melt/Freeze Pt:=-400.C, 752.F

Spec Gravity:2.34

Solubility in Water:

18% BY WEIGHT AT 20C

Appearance and Odor:COLORLESS, ODORLESS GRANULAR OR CRYSTALLINE POWDER.

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

Stability Indicator/Materials to Avoid:YES

ALKALOIDS, ANTIPYRINE, CHLORAL HYDRATE, LEAD ACETATE.

Stability Condition to Avoid:ACIDS AND MOISTURE.

Hazardous Decomposition Products:TOXIC FUMES OF OXIDES AND PHOSPHORUS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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Waste Disposal Methods:NEUTRALIZE BUFFER SOLUTIONS BEFORE DISPOSAL.
DISPOSE AT APPROVED "SITE". DISPOSE OF ALL WASTES IN ACCORDANCE
WITH FEDERAL, STATE AND LOCAL REGULATIONS.

===== Other Information =====

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