

MICRO ESSENTIAL LABORATORY -- HYDRION BUFFER SALT PH 10.00 -- 6810-01-239-7563

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Product Identification  
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Product ID:HYDRION BUFFER SALT PH 10.00  
MSDS Date:03/15/2000  
FSC:6810  
NIIN:01-239-7563  
Status Code:A  
MSDS Number: CLFFS  
=== Responsible Party ===  
Company Name:MICRO ESSENTIAL LABORATORY  
Address:4224 AVENUE H  
Box:10824  
City:BROOKLYN  
State:NY  
ZIP:11210-3510  
Country:US  
Info Phone Num:71  
8-338-3618/ FAX 718-692-4491  
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:VWR SCIENTIFIC - DIV OF UNIVAR  
Address:200 CENTER SQUARE RD  
Box:626  
City:BRIDGEPORT  
State:NJ  
ZIP:08014  
Country:US  
Phone:609-467-2600  
Contract Num:SP0450-01-M-ZD06  
CAGE:2E624

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Composition/Informat

ion on Ingredients =====

Ingred Name:SODIUM CARBONATE  
CAS:497-19-8  
RTECS #:VZ4050000  
Minumum % Wt:50.  
Maxumum % Wt:70.

Ingred Name:SODIUM BICARBONATE  
CAS:144-55-8  
RTECS #:VZ0950000  
Minumum % Wt:30.  
Maxumum % Wt:50.

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE- INHALATION: PROLONGED EXPOSURE  
MAY CAUSE IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT.  
EYE  
: DUST MIGHT BE IRRITATING TO THE EYES. SKIN: PROLONGED CONTACT  
MAY CAUSE SKIN IRRITATION OR AL LERGIC REACTION. INGESTION: CAN  
IRRITATE STOMACH AND CAUSE MOUTH BURNS. CHRONIC: PROLONGED EXPOSURE  
TO BULK POWDER MAY CAUSE IRRITATION TO THE EYES, SKIN AND  
RESPIRATORY SYSTEM.  
Explanation of Carcinogenicity:IARC, NTP, AND OSHA DO NOT LIST THIS  
PRODUCT AS A CARCINOGEN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR,  
GIVE OXYGEN IF BREATHING IS  
DIFFICULT. EYE: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. SKIN:  
WASH WITH SOAP AND WATER. INGESTION: DRINK LOTS OF WATER. DO NOT  
INDUCE V OMITING. CALL A PHYSICIAN. AFTER FIRST AID, GET  
APPROPRIATE IN-PLANT, PARAMEDIC, OR COMMUNITY MEDICAL SUPPORT.

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

Flash Point:NON FLAMMABLE  
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING  
AREA.  
Fire Fighting Procedures:

DO NOT RELEASE RUNOFF FROM FIRE CONTROL METHODS TO SEWERS OR WATERWAYS. BECAUSE FIRE MAY PRODUCE TOXIC THERMAL DECOMPOSITION PRODUCTS, WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY RELEASE CARBON MONOXIDE IF INVOLVED IN A FIRE.

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

Spill Release Procedures:COVER SPILLED MATERIAL WITH A DRY ACID, SUCH

AS CITRIC OR BORIC. SCOOP UP SLURRY INTO A LARGE BEAKER. ADJUST TO A PH BETWEEN 6 AND 9 WITH A DILUTED ACID, SUCH AS SULFURIC OR CITRIC. FLUSH REACTED MATERIAL TO THE DRAIN WITH A LARGE EXCESS OF WATER. EVACUATE AS NEEDED TO PERFORM SPILL CLEAN-UP. IF CONDITION WARRANT, INCREASE THE SIZE OF EVACUATION.

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

Handling and Storage Precautions:STORE AT CONTROLLED ROOM TEMP. IN DRY LOCATION. AVOID HIGH TEMPERATURES AND HIGH HUMIDITIES. KEEP

CONTAINER CLOSE WHEN NOT IN USE. HANDLING PRECAUTIONS: \*\*PERTAINS ONLY TO BULK POWDER HANDLING\*\*. VENTILATION: USE ADEQUATE GENERAL OR LOCAL VENTILATION TO KEEP FUME AND DUST LEVELS AS LOW AS POSSIBLE.

Other Precautions:EMPTY CONTAINERS: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT. DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH.

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

Respiratory Protection:SEEK PROFESSIONAL ADVICE PRIOR TO RESPIRATOR

SELECTION & USE. FOLLOW OSHA RESPIRATOR REGULATIONS (29 CFR 1910.134) & IF NECESSARY, WEAR A MSHA/NIOSH-APPROVED RESPIRATOR. SELECT RESPIRATOR BASED ON ITS SUITABILITY TO PROVIDE ADEQUATE WORKER PROTECTION FOR GIVEN WORKING CONDITIONS, LEVEL OF AIRBORNE CONTAMINATION & PRESENCE OF SUFFICIENT OXYGEN. FOR EMERGENCY

Ventilation:PROVIDE GENERAL OR LOCAL EXHAUST VENTILATION SYSTEMS TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW OSHA PELS. LOCAL EXHAUST VENTILATION

NTILATION IS PREFERRED BECAUSE IT

Protective Gloves:CHEMICALLY PROTECTIVE GLOVES

Eye Protection:PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES PER OSHA (29 CFR 1910.133).

Other Protective Equipment:CHEMICALLY PROTECTIVE BOOTS, APRONS & GAUNTLETS TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. MAKE EMERGENCY EYEWASH STATIONS, SAFETY/QUICK-DRENCH SHOWERS & WASHING FACILITIES AVAILABLE IN WORK AREA.

Work Hygienic Practices:NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD

PERSONAL HYGIENE AFTER USING THIS MATERIAL, ESPECIALLY BEFORE EATING, DRINKING, SMOKING, USING THE TOILET, OR APPLYING COSMETICS.

Supplemental Safety and Health

CONTACT LENSES ARE NOT EYE PROTECTIVE DEVICES. APPROPRIATE EYE PROTECTION MUST BE WORN INSTEAD OF , OR IN CONJUNCTION WITH CONTACT LENSES. SEPARATE CONTAMINATED WORK CLOTHES FROM STREET CLOTHES. LAUNDE R BEFORE REUSE. REMOVE THIS MATERIAL FROM YOUR SHOES AND CLEAN PERSONAL PROTECTIVE EQUIPMENT.

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Physical/Chemical Properties =====

HCC:N1

Boiling Pt:=100.C, 212.F

Spec Gravity:~1

pH:10.00 @25C

Solubility in Water:MISCIBLE

Appearance and Odor:WHITE TO OFF WHITE GRANULAR OR CRYSTALS ODORLESS POWDER.

Percent Volatiles by Volume:NOT VOLATILE

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

HAZARDOUS REACTION IN AQUEOUS SOLUTION MAY OCCUR WITH STRONG ACID, ALUMINUM, FLOURINE, PHOSPHORUS PENTOXIDE AND AMMONIUM PHOSPHATE MONOBASIC.

Stability Condi

tion to Avoid:HYDRION BUFFER SALT IS STABLE AT ROOM

TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS

Hazardous Decomposition Products:MAY RELEASE CARBON MONOXIDE IF INVOLVED IN A FIRE.

Conditions to Avoid Polymerization:CANNOT OCCUR.

===== Toxicological Information =====

Toxicological Information:EYE EFFECTS: MAY CAUSE EYE IRRITATION. SKIN EFFECTS: IRRITATING TO THE SKIN AND MUCOUS MEMBRANES. ACUTE INHALATION EFFECTS

: HUMAN, INHALATION, NOT REPORTED. ACUTE ORAL  
EFFECTS: RAT, ORAL, LD50: 4090 M G/KG-SODIUM CARBONATE. 4220  
MG/KG-SODIUM BICARBONATE. CARCINOGENICTY: NOT REPORTED.  
MUTAGENICITY: NOT REPORTED. TERATOGENICITY: NOT REPORTED.

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Ecological Information  
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Ecological:NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT.

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Disposal Considerations  
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Waste Disposal Methods:ADJUST TO A PH BETWEEN 6 AND 9 WITH A DILUTED  
ACID, SUCH AS SULFURIC OR CITRIC. FLUSH REACTED MATERIAL TO THE  
DRAIN WITH A LARGE EXCESS OF WATER

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MSDS Transport Information  
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Transport Information:DOT TRANSPORTATION DATA (49 CFR 172.101): NOT  
CURRENTLY REGULATED.

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Regulatory Information  
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SARA Title III Information:SARA TOXIC CHEMICAL (40 CFR 372.65): NOT  
LISTED. SARA EHS (EXTREMELY HAZARDOUS SUBSTANCE)(40 CFR 355): NOT  
LISTED.

Federal

Regulatory Information:RCRA HAZARDOUS WASTE NUMBER: NOT LISTED  
(40 CFR 261.33). RCRA HAZAEDOUS WASTE CLASSIFICATION (40 CFR 261):  
NOT CLASSIFIED. OSHA REGULATIONS: AIR CONTAMINANT (29 CFR  
1910.1000, TABLE Z-1, Z-1-A): NOT L ISTED.

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Other Information  
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