

Material Safety Data Sheet

Required under USDL Safety and Health Regulation:
for Shipyard Employment (29 CFR 1915)

U.S. Department of Labor

Occupational Safety and Health Administration

OMB No. 1218-0074
Expiration Date 05/31/86

CAS NO 497-19-8

Section I

Manufacturer's Name

MICRO ESSENTIAL LABORATORY INC

Emergency Telephone Number

718-338-3618

Address (Number, Street, City, State, and ZIP Code)

4224 AVENUE H

Chemical Name
and Synonyms

SODIUM CARBONATE

Trade Name
and Synonyms

HYDRION BUFFER SALTS pH VALUE pH 11.00

BROOKLYN NEW YORK 11210

Chemical
Family

SODA ASH

Formula

 Na_2CO_3

pH 9.00-11

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents

% TLV (Units) Alloys and Metallic Coatings

% TLV (Units)

Pigments

Base Metal

Catalyst

Alloys

Vehicle

Metallic Coatings

Solvents

Filler Metal
Plus Coating or Core Flux

Additives

Others

Others

Hazardous Mixtures of Other Liquids, Solids or Gases

% TLV (Units)

Section III - Physical Data

Boiling Point (°F)

Specific Gravity (H₂O=1)

@68°F 2.5

Vapor Pressure (mm Hg.)

Percent Volatile by Volume (%)

Vapor Density (AIR=1)

Evaporation Rate

=1)

Solubility in Water

@95.7°F 49.7 gms/100 gm H₂O

Appearance and Odor

WHITE, ODORLESS, ANHYDROUS, HYGROSCOPIC POWDER OR GRANULAR MATERIAL

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

NON- FLAMMABLE

Flammable Limits

LeI

Uet

Extinguishing Media

Special Fire Fighting Procedures

ALTHOUGH THIS PRODUCT IS NON FLAMMABLE, GOOD FIREFIGHTING PRACTICE DICTATES THAT SELF-
CONTAINED BREATHING APPARATUS BE WORN

Unusual Fire and Explosion Hazards

Section V - Health Hazard DataThreshold Limit Value **LD₅₀ 2.8g/kg****15 mg/M³ IRRITANT TO EYES AND MUCOUS MEMBRANES !!! DUST CAUSES IRRITATION OF EYES AND RESPIRATORY TRACT. PROLONGED SKIN CONTACT CAUSES IRRITATION. INGESTION OF LARGE AMOUNTS CAN CAUSE DAMAGE TO GASTROINTESTINAL TRACT, VOMITING & DIARRHEA****Emergency First Aid Procedures IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTE. IF IRRITATION PERSISTS, CALL PHYSICIAN. IF SWALLOWED, IF CONSCIOUS, GIVE LARGE AMOUNTS OF MILK TO DILUTE AND CALL A PHYSICIAN AT ONCE.****Section VI - Reactivity Data**

Stability	Unstable	Conditions to Avoid
	Stable XXXX	
Incompatibility (Materials to Avoid)		REACTS WITH ACID TO SALT, WATER AND CARBON DIOXIDE.

Hazardous Decomposition Products**GASEOUS CARBON DIOXIDE**

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur XXXXXX	

Section VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled

CAREFULLY SWEEP UP AND REMOVE. FLUSH SPILL AREA WITH LARGE AMOUNTS OF WATER.**Waste Disposal Method****DISPOSE THROUGH APPROVED WASTE SITE OR WASTE TREATMENT PLANT PROVIDING LOCAL REGULATIONS PERMIT.****Section VIII - Special Protection Information PERTAINS TO BULK POWDER HANDLING !!!**

Respiratory Protection (Specify Type)

DUST MASK, AS CONDITIONS WARRANT.

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves

RUBBER OR PLASTIC GLOVES

Eye Protection

SAFETY GLASSES, GOGGLES, SIDE SHIELDS.

Other Protective Equipment

APPROVED WORK CLOTHES.**Section IX - Special Precautions**

Precautions to be Taken in Handling and Storing

SINCE SODA ASH HAS AN AFFINITY FOR MOISTURE STORE IN A COOL DRY PLACE. STORE IN**TIGHT CONTAINERS. MOISTURE ABSORPTION WILL CAUSE LUMPING OF SODA ASH AND**

Other Precautions

REDUCTION OF ALKALINITY.