Safety Data Sheet: CHEM-AQUA 61503, 494 LB, NAC CA

Supercedes Date: Not applicable **Issuing Date:** 12/22/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CHEM-AQUA 61503, 494 LB, NAC CA
Recommended use Cleaning agent
Information on Manufacturer
CHEM-AQUA, INC
BOX 152170
IRVING, TEXAS 75015

Product Code: 2C85
Chemical nature Aqueous solution of alkali salts
Emergency Telephone
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless to Light yellow **Physical state** Liquid **Odor** Mild

GHS Classification

Physical Hazards

Corrosive to Metals	Category 1

Health Hazard

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Other hazards
None

Labeling
Signal Word
DANGER

Hazard statements
H314 - Causes severe skin burns and eye damage
H290 - May be corrosive to metals

Precautionary Statements
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P260 - Do not breathe mist.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313 - If skin irritation occurs, get medical attention.
P363 - Wash contaminated clothing before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P342 + P311 - If experiencing respiratory symptoms, call a physician.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.
P390 - Absorb spillage to prevent damage.
P406 - Store in corrosion resistant container with a resistant inner liner
P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Alcohols, C9-11, ethoxylated	68439-46-3	3-7
Sodium hydroxide	1310-73-2	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice Do not get in eyes, on skin or on clothing. Do not breathe mist.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin Contact Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least least 15 minutes. Get medical attention immediately.

Inhalation Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial artificial respiration. Get medical attention immediately.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to physician Treat symptomatically. The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** No data available

Flammability Limits in Air %: Hydrogen, by reaction with metals. **Upper:** 75 **Lower:** 4

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Contact with metals may evolve flammable hydrogen gas. Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 3	**Flammability** 0	**Instability** 0
HMIS -	**Health** 3	**Flammability** 0	**Physical Hazard** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

Neutralizing Agent Acetic acid, diluted.

7. HANDLING AND STORAGE

Handling Do not get in eyes, on skin or on clothing. Do not breathe mist.

Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature **Minimum** 32 °F / 0 °C **Maximum** 122 °F / 50 °C

Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Sodium hydroxide	Ceiling: 2 mg/m^3	TWA: 2 mg/m^3	10 mg/m^3 Ceiling: 2 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

- **Eye/Face Protection** Tightly fitting safety goggles. Face-shield.
- **Skin Protection** Wear suitable protective clothing, Impervious gloves.
- **Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	Non viscous
Color	Colorless to Light yellow	**Odor**	Mild

Odor Threshold	Not applicable	**Appearance**	Transparent - Cloudy
pH	11.9	**Specific Gravity**	1.033
Evaporation Rate	No information available	**Percent Volatile (Volume)**	0
VOC Content (%)	0	**VOC Content (g/L)**	0
Vapor pressure	15.78 mmHg @ 70°F	**Vapor Density**	No information available
Solubility	Soluble	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	Not applicable	**Flammability (solid, gas)**	No data available
Flash Point	Does not flash	**Method**	No data available
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Hydrogen, by reaction with metals	**Upper:** 75 **Lower:** 4	

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition, Extremes of temperature and direct sunlight.
Incompatible Products Strong oxidizing agents, Contact with metals liberates hydrogen gas.
Decomposition Temperature No data available
Hazardous Decomposition Products Carbon oxides, Oxides of phosphorus, Sodium oxides, Hydrogen, by reaction with metals.
Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document
Oral LD50 No information available
Dermal LD50 No information available
Inhalation LC50
- **Gas** No information available
- **Mist** No information available
- **Vapor** No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Ingestion.
Acute Effects:
- **Eyes** Corrosive to the eyes and may cause severe damage including blindness.
- **Skin** Causes skin burns.
- **Inhalation** Harmful by inhalation. Causes burns.
- **Ingestion** If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Chronic Toxicity Inhaled corrosive substances can lead to a toxic edema of the lungs.
Target Organ Effects: Respiratory system, Skin, Eyes.
Aggravated Medical Conditions Skin disorders, Respiratory disorders.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Alcohols, C9-11, ethoxylated 68439-46-3	1400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	No data available	No data available	No data available
Sodium hydroxide 1310-73-2	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	No data available	No data available	No data available

Chronic Toxicity

Chemical name	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium hydroxide 1310-73-2	No data available	No data available	No data available	No data available	Skin; Eyes; Respiratory system

Carcinogenicity There are no known carcinogenic substances in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Sodium hydroxide	No information available.	LC50 = 45.4 mg/L Oncorhynchus mykiss 96 h	No information available	No information available.	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE)
Hazard Class 8
UN-No UN3266
Packing Group II
Description UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE), 8, PG II

TDG
Proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE)
Hazard Class 8
UN-No UN3266
Packing Group II
Description UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE), 8, PG II

ICAO
UN-No UN3266
Proper Shipping Name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE)
Hazard Class 8
Packing Group II
Shipping Description UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE), 8, PG II

IATA
UN-No CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE)
Proper Shipping Name UN3266
Hazard Class 8
Packing Group II
Shipping Description UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE), 8, PG II

IMDG/IMO
UN proper shipping name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE)
Hazard Class 8
UN Number UN3266
Packing Group II
Description UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.,(SODIUM HYDROXIDE), 8, PG II

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization
See Section 2

CERCLA

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs

Sodium hydroxide	1000 lb	Not applicable

16. OTHER INFORMATION

Prepared By Pamela Starkey
Supercedes Date: Not applicable
Issuing Date: 12/22/2020
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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