



1. IDENTIFICATION

Product Identifier: BREWCLEAN ALKALINE CIP **Date:** July 31, 2023
Product Code: BREWCLEAN
Other Name(s): Caustic, Alkaline
Distributed By:
Recommended Use & Restrictions on Use: Industrial/Commercial Cleaner

Manufactured For: VITATEK CLEANING SOLUTIONS **Phone:** 800-494-4318
#105-810 Clement Avenue **In case of Emergency Only, phone**
Kelowna, BC V1Y 0J7 **CANUTEC:** 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of Mixture: Eye Damage/Irritation – Category 1
Skin Corrosion/Irritation – Category 1

Label Elements:

Hazard Pictogram(s):



Signal Word: DANGER

Hazard Statements: Causes severe skin burns and eye damage.
Causes serious eye damage.
Causes damage to organs.
Harmful to aquatic life.
May be corrosive to metals.

Precautionary Statements:

Prevention: Do not breathe dusts or mists.
Wash hands thoroughly after handling.
Store in original container.
Wear protective gloves, protective clothing, and eye/face protection.
Keep out of reach of children.
Read label before use.
Do not eat, drink or smoke when using this product.

Response: **IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.
Absorb spillage to prevent material damage.

Storage: Store locked up.

Disposal: Dispose of the contents/container in accordance with local/regional/national/international regulations.

Physical/health hazards not otherwise classified:

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc.</u>	<u>CAS #</u>	<u>Common Names</u>
Sodium hydroxide	40-60%	1310-73-2	

4. FIRST AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.

Most important symptoms – acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

Indication of immediate medical attention and treatment needed, if necessary:

Not applicable

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

None.

Specific protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See Section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with absorbent material and scoop into containers.

Large spills: Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Precautions for safe handling:

- Do not breathe dusts or mists.
- Wash hands thoroughly after handling.
- Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

- Provide appropriate ventilation and store bags such as to prevent any accidental damage.
- Keep out of reach of children. Store in a cool, dry place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**Control Parameters – Exposure limits:**

<u>Ingredient:</u>	<u>Limit:</u>
Sodium hydroxide	ACGIH TLV: 2 mg/m ³

Appropriate engineering controls:

- Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

- If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

- Wear protective gloves, protective clothing and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red, thin liquid
Odour:	Odourless
Odour threshold:	Not available
pH:	>13.5
Melting/Freezing point:	-28°C
Initial boiling point and range:	102°C
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density (specific gravity):	1.53
Solubility (ies):	Complete
Partition co-efficient n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

10. STABILITY AND REACTIVITY**Reactivity:**

- Soluble in water, releases heat sufficient to ignite combustibles. Reacts with metals and may form hydrogen gas.

Chemical Stability:

Stable.

Possibility of hazardous reactions:

Mixing with water, acid, or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

Conditions to avoid:

Excessive heat, open flames and all ignition sources. Incompatible materials.

Incompatible materials:

Acids and halogenated compounds. Soft metals. Releases heat when diluted with water.

Hazardous decomposition products:

Toxic fumes of sodium oxide..

11. TOXICOLOGICAL INFORMATION**POTENTIAL HEALTH EFFECTS**

Inhalation:	Irritant of the nose and throat, causing coughing, difficulty breathing and pulmonary edema.
Ingestion:	May be harmful if swallowed.
Eye contact:	Causes serious eye damage.
Skin contact:	Causes severe burns and eye damage.
Skin absorption:	Not available
Mutagenicity:	Not available
Carcinogenicity:	This information, if applicable, can be found in Section 2.
Reproductive toxicity:	This information, if applicable, can be found in Section 2
Sensitization of product:	This information, if applicable, can be found in Section 2
Specific Target Organ Toxicity – single exposure:	This information, if applicable, can be found in Section 2
Specific Target Organ Toxicity – repeated exposure:	This information, if applicable, can be found in Section 2
Toxicological Data:	
<u>Ingredient</u>	<u>Data</u>
Sodium hydroxide	LD 50 Oral: 500 mg/kg (rabbit)
Other Toxicological Information on Ingredients	
Not applicable	

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available
Ecological Information on Ingredients:	Not available

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dispose all waste according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG Classification: UN 1824, SODIUM HYDROXIDE SOLUTION, Class 8, PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Concept Manufacturing Ltd., Ph: 250-491-5656
Date of Preparation: July 31, 2023
Date of Revision: new product

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Concept Manufacturing Ltd.

Disclaimer:

Concept Manufacturing expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

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Users assume all risks of use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

If user requires independent information on ingredients in this or any other material, contact the Canadian Centre For Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).

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