Alouette Ware Wash Chemicals Inc.
#2130 - 1850 Savage Road, RICHMOND, BC Tel: 604.233.7722
24 HOUR NUMBER: CANUTEC 613-996-6666

Safety Data Sheet
Clean Wash Bar

SECTION 1. IDENTIFICATION

Product Identifier — **Clean Bar Wash**

Recommended Use — Dishwasher formulation

Restrictions on Use — All other uses than those indicated on the product label and technical data sheet.

Initial Supplier Identifier — Alouette Chemicals
2130-1851 Savage Road
Richmond (BC) V6V 1R1
604-233-7722
info@alochem.com

Emergency Telephone Number — CANUTEC 1-613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

Label Elements

· **Hazard pictograms:**

GHS05

· **Signal word:** Danger
· **Hazard-determining components of labeling:** Sodium hydroxide
· **Hazard statements:** H314 Causes severe skin burns and eye damage.
· **Precautionary statements**
P260 Do not breathe dusts or mists.
P280 Wear eye or face protection equipment.
P264 Wash thoroughly after handling.
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center or a doctor.
P321 Specific treatment (see on this label).
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local, regional and national regulations.
· **Classification system:**

· **NFPA ratings (scale 0 - 4)**

Health = 3
Fire = 0
Reactivity = 0

· **Hazard not otherwise classified** None
· **Notes:** For the wording of the listed abbreviations refer to section 16.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Sodium hydroxide	1310-73-2	10-<25%		

SECTION 4. FIRST-AID MEASURES

· **General information:**
Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.
Caustic products usually don't generate instantaneous painful burns in contact with eyes or skin. In case of direct contact with this product, react immediatly by following the measures below.
· **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
· **After skin contact:**
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
· **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes.Then consult a doctor.
· **After ingestion:**
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes

SECTION 5. FIRE-FIGHTING MEASURES

· **Suitable extinguishing media**
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CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **Specific hazards arising from the product**
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen dioxide (NOx).
· **Advice for firefighters**
· **Special protective equipment and precautions for fire-fighters** No special measures required.
· **Additional information** This product is not flammable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

· **Personal precautions, protective equipment and emergency procedures**
Wear recommended protective equipment(s). Keep unprotected persons away.
· **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)
Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

SECTION 7. HANDLING AND STORAGE

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation at the workplace.
Prevent formation of aerosols.

· **Conditions for safe storage, including any incompatibilities**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Conditions for safe storage, including any incompatibilities**
Keep in the original receptacle tightly sealed.
Store under lock and key and out of the reach of children.
· **Specific end use(s)** No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engerering controls Ensure appropriate aeration and ventilation.

Control Parameters

· **Components with limit values that require monitoring at the workplace:**

Chemical Name	EL (Canada)	EV (Canada)
Sodium hydroxide 1310-73-2	Ceiling limit value: 2 mg/m³	Ceiling limit value: 2 mg/m³

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**


Tightly sealed goggles


Protective gloves

· **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Do not breathe dust, fume, gas, mist, vapors and spray.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
· **Breathing equipment:** Not required.
· **Protection of hands:** Protective gloves
· **Eye protection:** Tightly sealed goggles
· **Body protection:** No special measures required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**
· **Form:** Fluid
· **Colour:** Red
· **Odour:** Odourless.
· **Odour threshold:** Not determined.
· **pH-value at 20 °C:** 12.4

· **Change in condition**
· **Melting point/Melting range:** Undetermined.
· **Boiling point/Boiling range:** 100 °C
· **Flash point:** Not determined.
· **Flammability (solid, gaseous):** Not applicable.
· **Ignition temperature:** Not determined.
· **Decomposition temperature:** Not determined.
· **Auto igniting:** Product is not selfigniting.
· **Danger of explosion:** Product does not present an explosion hazard.
· **Explosion limits:**
· **Lower:** Not determined.
· **Upper:** Not determined.
· **Vapour pressure at 20 °C:** 23 hPa
· **Density at 20 °C:** 1.225 g/cm³
· **Relative density** Not determined.
· **Vapour density (air=1)** <1 (aqueous solution)
· **Evaporation rate** Not determined.
· **Solubility in / Miscibility with**
· **Water:** Fully miscible.
· **Partition coefficient (n-octanol/water):** Not determined.
· **Viscosity:**
· **Dynamic:** Not determined.
· **Solvent content:**
· **Organic solvents:** 0.0 %

SECTION 10. STABILITY AND REACTIVITY

· **Reactivity** The product is basic.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** Reacts with acids.
· **Conditions to avoid** Avoid freezing and extreme heat conditions.
· **Incompatible materials:** This product can react with strong oxidizing agents and strong acids.
· **Hazardous decomposition products:**
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

· **Information on the likely routes of exposure** Skin and eyes contact
· **Acute toxicity:**
· **Numerical mesures of toxicity**

· Components Mean of exposure	Type	Value (Species)
ATE (Acute Toxicity Estimates)		
Oral	LD50	4762 mg/kg (rat)

1310-73-2 Sodium hydroxide		
Oral	LD50	500 mg/kg (rat)

· **Symptomes related to the physical, chemical and toxiological characteristics**
· **by inhalation:**
Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
· **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
· **If on the eye:**
CORROSIVE: Strong caustic effect.
Strong irritant with the danger of severe eye injury.
· **after ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
· **Sensitization:** No sensitizing effects known.
· **Delayed and immediate effects, and chronic effects from short-term and long-term exposure**
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Corrosive
Irritant
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
3567-69-9	Acid Red 14	3

· NTP (National Toxicology Program)
None of the ingredients is listed.

SECTION 12. ECOLOGICAL INFORMATION

· **Persistence and degradability** No relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxicity** No relevant information available
· **General notes:**
Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.
Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Germany: Danger to drinking water if even extremely small quantities leak into the ground.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.
A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13. DISPOSAL CONSIDERATIONS

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water.

SECTION 14. TRANSPORT INFORMATION

· DOT, IMDG, IATA	UN1824
· UN proper shipping name · DOT	Sodium hydroxide solution mixture
· Transport hazard class(es) · Class	8 Corrosive substances
· Packing group · DOT	II
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

SECTION 15. REGULATORY INFORMATION

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Chemicals known to cause cancer:**	
18662-53-8	Sel Trisodique de l'acide nitrilo-triacétique monohydrate

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**
None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

SECTION 16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** June 23, 2023

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1