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
Red Wash

SECTION 1. IDENTIFICATION

Product Identifier	**Red 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 Warewash Chemicals Inc.** **1851 Savage Road, Richmond, BC, V6V 1R1** **Phone: 1(604) 233-7722**
Emergency Telephone Number	CANUTEC 1-613-996-6666

SECTION 2. HAZARD IDENTIFICATION

Classification

Met. Corr.1 H290 May be corrosive to metals.
Acute Tox. 4 H302 Harmful if swallowed.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

Label Elements
Hazard Pictograms:

· **Signal word:** Danger
· **Hazard statements:**
May be corrosive to metals.
Harmful if swallowed.
Causes severe skin burns and eye damage.
· **Precautionary statements:**
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original packaging.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Wash contaminated clothing before reuse.
Absorb spillage to prevent material-damage.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or a doctor.
Store locked up.
Dispose of contents and container in accordance with local, regional and national regulations.
· **Classification system**
· **NFPA ratings (scale 0 - 4):**

· **Hazard not otherwise classified:** None Known
· **Notes:** For the wording of the listed abbreviations refer to section 16.
· **Product AT USE DILUTION:** N/A

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Sodium Hydroxide	1310-73-2	7-13%		

· **Chemical characterization: Mixtures**
· **Additional information:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4. FIRST-AID MEASURES

· **Description of first aid measures**
· **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.
· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

· **Suitable extinguishing media:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
· **Specific hazards arising from the product:** During heating or in case of fire poisonous gases are produced.
· **Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
· **Additional information:** This product is not flammable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

· **Personal precautions, protective equipment and emergency procedures:**
Mount respiratory protective device.
Wear recommended protective equipment(s). Keep unprotected persons away.
Protective gloves (See Protection of Hands)
· **Environmental precautions:** Dilute with plenty of 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.
· **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

· **Precautions for safe handling:** Ensure good ventilation at the workplace.
· **Information about protection against explosions and fires:** Keep respiratory protective device available.
· **Requirements to be met by storerooms and receptacles:** Unsuitable material for receptacle: aluminium.
· **Information about storage in one common storage facility:** Store away from metals.
· **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.
Do not store in aluminium or galvanised containers nor use die-cast zinc or aluminium bungs;
plastic bungs should be used.
· **Specific end use(s):** No further relevant information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

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

Chemical Name	EL		EV	
Sodium Hydroxide 1310-73-2	Ceiling limit value: 2 mg/m³		Ceiling limit value: 2 mg/m³	

· **Undiluted Product**
· **Personal protective equipment:**
Protective gloves (See Protection of Hands)

Safety glasses (See Eye protection)

· **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale dust, smoke, mist gases, fumes or aerosols.
Do not eat or drink while working.
Do not carry product impregnated cleaning cloths in trouser pockets.
· **Breathing equipment:** Not required.
· **Protection of hands:**
The glove material has to be impermeable and resistant to the product.
Protective Gloves

Check protective gloves prior to each use for their proper condition
· **Eye protection:**
Safety glasses are suggested when using this product in heavy use and institutional environments
Wear splash-proof chemical goggles in an industrial environment.
· **Body protection:**
Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. (recommended)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

· **Form:** Clear Liquid
· **Colour:** Red
· **Odour:** Odourless
· **Odor threshold:** Not determined
· **pH-Value:** >12.0
· **Melting point/Melting range:** Not determined
· **Boiling point/Boiling range:** 100 °C
· **Fusion temperature / range:** Not determined
· **Flash point:** >100 °C
· **Flammability (solid, gaseous):** Not applicable
· **Ignition temperature:**
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:** N/D
· **Relative density:** 1.230 - 1.250
· **Vapour density (air=1):** Not determined.
· **Evaporation rate:** Not determined
· **Solubility in / Miscibility with**
Water: Fully miscible
· **Partition coefficient (n-octanol/water):** Not determined

SECTION 10. STABILITY AND REACTIVITY

· **Reactivity:** Not determined.
· **Chemical stability:** The product is stable.
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions:** No dangerous reactions known.
· **Conditions to avoid:** No further relevant information available.
· **Incompatible materials:**
In contact with most metals, produces hydrogen gas, a flammable and explosive gas. It is particularly corrosive to aluminium, tin, lead, and zinc.
· **Hazardous decomposition products:**
Hydrogen.
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**
· **Numerical mesures of acute toxicity:**

· Components Mean of exposure	Type	Value (Species)
ATE (Acute Toxicity Estimates)		
Oral	LD50	1846 mg/kg (Rat)

1310-73-2 Sodium Hydroxide		
Oral	LD50	240 mg/kg (Rat)

· **Symptomes related to the physical, chemical and toxiological characteristics**
· **If on the skin:**
CORROSIVE: Strong caustic effect on skin and mucous membranes.
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.
· **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

· **Bioaccumulative potential:** No further relevant information available.
· **Mobility in soil:** Not determined
· **Ecotoxicity:** No relevant information available.
· **Remark:** See section 13- Disposal considérations.
· **Other adverse effects** No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS

· **Waste treatment methods recommendation:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.
Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.
· **Uncleaned packagings recommendation:**
Do not re-use empty containers.
Dispose of packaging according to regulations on the disposal of packagings.
· **Recommended cleansing agent:**
Water
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14. TRANSPORT INFORMATION

· **UN-Number**
· **DOT, IMDG, IATA** UN1824
· **UN proper shipping name**
· **DOT, IMDG, IATA** SODIUM HYDROXIDE SOLUTION
· **Transport hazard class(es)**
· **DOT, IMDG, IATA**

· **Class** 8 Corrosive substances
· **Packing group**
· **DOT, IMDG, IATA** II

SECTION 15. REGULATORY INFORMATION

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

· **Canadian Domestic Substances List (DSL)**
All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**
None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**	
1310-73-2	Sodium Hydroxide

SECTION 16. OTHER INFORMATION

Date of Latest Revision 03/23/2017
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. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.
· **Department issuing SDS:**
Prepared by :
Regulatory Affairs Department
· **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
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