

# Chemicals Ltd. Safety Data Sheet

## **Section 01 - Identification**

Product Identifier Rezco 1A

Other Means of Identification None

**Product Use and Restrictions on** 

Use

Liquid alkaline foam cleaner for food plant processing equipment.

Initial Supplier Identifier Advance Chemicals Ltd.

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S7K 1V7

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## Section 02 - Hazard Identification

#### **GHS-Classification**

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

**Physical Hazards** 

Corrosive to Metals Category 1

#### **Danger**

#### **Hazards Statements**

H314 – Causes severe skin burns and eye damage.

H290 – May be corrosive to metals.

#### **Pictograms**



#### **Precautionary Statements**

P234 - Keep only in original container.

P405 – Store locked up.

P260 – Do not breathe mist, vapours or spray.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P280 – Wear protective gloves, protective clothing, eye protection, and face protection.

P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P301 +P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P310 – Immediately call a POISON CENTER or doctor/physician.

P390 – Absorb spillage to prevent material damage.

P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

## Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Sodium Hydroxide	1310-73-2	20-35%	
Water and/or ingredients not		65-80%	
classified as hazardous under			
the Hazardous Products			
Regulations			

## **Section 04 - First Aid Measures**

Inhalation Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If

breathing is difficult, give oxygen. Seek medical attention.

Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for 60 Skin Contact / Absorption

minutes. Seek immediate medical attention. Completely decontaminate clothing, shoes

and leather goods before re-use or discard.

Immediately flush eye(s) with lukewarm, gently flowing water for 60 minutes, while forcibly **Eye Contact** 

holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If a contact lens

is present, remove only if easy to do so. Seek immediate medical attention.

Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or Ingestion

convulsing. Have victim rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim

rinse mouth again. Seek immediate medical attention.

Additional Information Not Available

# Section 05 - Fire Fighting Measures

Use extinguishing agent for surrounding fire. **Suitable Extinguishing Media** 

**Unsuitable Extinguishing Media** Carbon dioxide.

Chemical

Specific Hazards Arising From the Sodium oxide fumes may be generated in a fire.

**Special Protective Equipment and** Wear NIOSH-approved self-contained breathing apparatus and protective gear.

**Precautions for Fire-Fighters** 

Not Available **Further Information** 

## Section 06 - Accidental Release Measures

Equipment / Emergency **Procedures** 

**Personal Precautions / Protective** Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.

**Environmental Precautions** Prevent product from entering sewers or waterways.

Methods and Materials for Containment and Cleaning Up Clean up spill with non-reactive absorbent material and place in suitable, labelled containers for proper disposal.

# Section 07 - Handling and Storage

hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations

that could lead to harmful exposure.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area. Store in original container. Keep away from

incompatible materials.

**Incompatibilities** Metals, strong acids, organic halogen compounds and organic nitro compounds.

## **Section 08 - Exposure Controls and Personal Protection**

#### **Exposure Limit(s)**

Component	Regulation	Type of Listing	Value
Sodium Hydroxide	ACGIH	TLV-C	2 mg/m <sup>3</sup>
	OSHA	PEL-C	2 mg/m <sup>3</sup>

#### **Engineering Control(s)**

Ventilation Requirements Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and

control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by

exhaust systems.

Other Emergency shower and eyewash must be available and tested in accordance with

regulations and be in close proximity.

## **Protective Equipment**

**Eyes/Face** Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when

product is handled. Contact lenses should not be worn; they may contribute to severe eye

injury.

Hand Protection Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all

times. Wash contaminated clothing and dry thoroughly before reuse.

**Skin and Body Protection**Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all

times. Wash contaminated clothing and dry thoroughly before reuse.

Impervious boots of chemically resistant material should be worn at all times. No special

footwear is required other than what is mandated at place of work.

Respiratory Protection NIOSH RECOMMENDATIONS FOR SODIUM HYDROXIDE CONCENTRATIONS IN

AIR:

Up to 10 mg/m<sup>3</sup>:

(APF=25) Any supplied-air respirator operated in a continuous-flow mode. Any powered

air-purifying respirator with a high-efficiency particulate filter.

(APF=50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter. Any self-contained breathing apparatus with a full facepiece. Any supplied-air respirator

with a full facepiece.

Thermal Hazards Not Available

# **Section 09 - Physical and Chemical Properties**

**Appearance** 

Physical State Liquid

Colour Slight orange

Odour Slight cleaner odour

Odour Threshold Not Available

**Property** 

**pH** 14

Melting Point/Freezing Point 0°C

**Initial Boiling Point and Boiling** 

Range

119°C

Flash Point Not Applicable

**Evaporation Rate** Not Available

Flammability Non-flammable

Upper Flammable Limit Not Applicable

Lower Flammable Limit Not Applicable

Vapour Pressure (mm Hg, 20°C) Not Available

Vapour Density (Air=1) Not Available

Relative Density Not Available

Solubility(ies) Soluble in water

Partition Coefficient: n-

octanol/water

Not Available

Auto-ignition Temperature Not Applicable

**Decomposition Temperature** Not Available

Viscosity Not Available

Explosive Properties None

Specific Gravity (Water=1) 1.3

% Volatiles by Volume Not Available

Formula Mixture

Molecular Weight Not Available

# Section 10 - Stability and Reactivity

Reactivity Not Available

Stability Stable.

Possibility of Hazardous

Reactions

None reported.

**Conditions to Avoid** Not Available

**Incompatible Materials** Metals, strong acids, organic halogen compounds and organic nitro compounds.

**Hazardous Decomposition** 

**Products** 

Oxides of sodium, nitrogen and carbon.

# Section 11 - Toxicological Information

#### **Acute Toxicity Estimate**

Component Oral LD<sub>50</sub> Dermal LD<sub>50</sub> Inhalation LC<sub>50</sub> Rezco 1A 485 mg/kg 4,687 mg/kg Not Available

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

### Chronic Toxicity – Carcinogenicity

**IARC** Component

Rezco 1A None of the components present in this material at

concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Skin Corrosion/Irritation Corrosive. Capable of causing burns, blisters, ulcers and permanent scarring.

Ingestion Can cause burns to the lips, tongue, throat, esophagus, stomach; abdominal pain;

nausea; vomiting; diarrhea and death.

Inhalation Mists and vapours may cause irritation to the nose, throat and upper respiratory tract.

Corrosive. Capable of causing severe eye burns and permanent damage, including Serious Eye Damage/Irritation

blindness.

Respiratory or Skin Sensitization Not Available

Not Available Germ Cell Mutagenicity

**Reproductive Toxicity** Not Available

Not Available STOT-Single Exposure

**STOT-Repeated Exposure** Not Available

Not Available **Aspiration Hazard** 

Not Available **Synergistic Materials** 

# Section 12 – Ecological Information

**Ecotoxicity** 

Component **Toxicity to Algae** Toxicity to Fish

Toxicity to Daphnia and Other Aquatic Invertebrates EC<sub>50</sub>(Ceriodaphnia dubai,

Sodium Hydroxide Not Available LC<sub>50</sub>(Gambusia affinis, 96hr): 48hr): 40.38mg/L 125mg/L

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Biodegradability

Bioaccumulation

Mobility

Not Available

Not Available

Not Available

Not Available

# Section 13 – Disposal Considerations

Waste From Residues/Unused

**Products** 

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Contaminated Packaging

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

# **Section 14 – Transport Information**

UN Number UN1824

UN Proper Shipping Name SODIUM HYDROXIDE SOLUTION

Transport Hazard Class(es) 8
Packaging Group ||

Environmental Hazards Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.

Special Precautions Not Available

Transport in Bulk Not Available

Additional Information Packing Group Limited Quantity Index

II 1 L III 5 L

<u>TDG</u>

Other Secure containers (full and/or empty) with suitable hold down devises during shipment and

ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

# Section 15 - Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

## **Section 16 – Other Information**

## Preparation Date December 22, 2015

**Note:** 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.

#### Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data

Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

#### References:

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA
- 7) PAN

## **Advance Chemicals Ltd. - Locations**

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