



# SAFETY DATA SHEET

Issue Date 01-Jun-2012

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ALKALINE COIL CLEANER

### Other means of identification

**SDS #** ACC

**UN/ID No** UN3266

**Other Information** Package type: Quart, Gallon, Pail or Drum.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaning and brightening aluminum finned cooling and heating coils.

**Restrictions on Use** For professional use only. Product is a concentrate and should be diluted prior to use.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Atlantic Chemical & Equipment Company  
3471 Atlanta Industrial Parkway  
Suite 200  
Atlanta, GA 30331 USA

### Emergency telephone number

**Company Phone Number** 404-505-6626

1-800-929-2436

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

### Signal word

**Danger**

### Hazard statements

Causes severe skin burns and eye damage

**Appearance** Clear blue liquid**Physical state** Liquid**Odor** Herbal**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/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 CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Keep containers tightly closed in a dry, cool and well-ventilated place

**Precautionary Statements - Disposal**

Dispose of in accordance with federal, state and local regulations

**Hazards not otherwise classified (HNOC)**

May be harmful if swallowed  
 May be harmful in contact with skin

**Other Information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	<20
Sodium metasilicate pentahydrate	10213-79-3	<5

### 4. FIRST AID MEASURES

**First aid measures****Inhalation**

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

<b>Eye contact</b>	Immediately flush with plenty of water for up to 15 minutes. Immediate medical attention is required.
<b>Ingestion</b>	Drink plenty of water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention immediately.
<b>Skin Contact</b>	Neutralize with very diluted vinegar solution, wash with soap and water, apply skin cream. For large burns - GET IMMEDIATE MEDICAL ATTENTION.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Inhalation may cause irritation to nasal passages. Severe burns to exposed skin. Nausea. Blindness may occur.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific hazards arising from the chemical**

Avoid mixing with acids and soft metals.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear impervious to strong alkaline protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use personal protective equipment as required. Wash thoroughly after handling.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so. Neutralize with water and vinegar.
<b>Methods for cleaning up</b>	For small spills: wash to drain after product is neutralized. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wash face, hands and any exposed skin thoroughly after handling. Avoid mixing with acids and soft metals. Use personal protection recommended in Section 8.
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**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Acids. Soft metals. Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m3	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3
Sodium metasilicate pentahydrate 10213-79-3	-	-	-

**Appropriate engineering controls**

**Engineering Controls** If vapors are detected, ventilate work area by opening windows and using exhaust fans. Always work with wind from behind.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Use tight fitting, splash proof safety goggles. Contact lenses should not be worn when handling this material. Face Mask.

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear protective Neoprene™ gloves.

**Respiratory protection** Use an approved NIOSH HE respirator fluoride.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Herbal
<b>Appearance</b>	Clear liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	13.5	
<b>Melting point/freezing point</b>	Not determined	
<b>Boiling point/boiling range</b>	Not determined	
<b>Flash point</b>	Not determined	
<b>Evaporation rate</b>	Not determined	
<b>Flammability (solid, gas)</b>	Not determined	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limits</b>	Not determined	
<b>Lower flammability limit</b>	Not determined	
<b>Vapor pressure</b>	Not determined	
<b>Vapor density</b>	Not determined	
<b>Specific Gravity</b>	1.18	
<b>Water solubility</b>	Not determined	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic viscosity</b>	Not determined	

<b>Explosive properties</b>	Not determined
<b>Oxidizing properties</b>	Not determined

**Other Information****10. STABILITY AND REACTIVITY****Reactivity**

This product will warm slightly with the addition of water

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

Product will react violently with the addition of incompatible materials.

**Conditions to avoid**

Incompatible materials. Keep out of reach of children.

**Incompatible materials**

Acids. Soft metals. Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation to the mucous membranes and upper respiratory tract.
<b>Eye contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns. May be harmful in contact with skin.
<b>Ingestion</b>	May be harmful if swallowed.

**Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Sodium hydroxide 1310-73-2	-	1350 mg/kg ( Rabbit )	-
Sodium metasilicate pentahydrate 10213-79-3	847 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 4327 mg/kg

ATEmix (dermal) 4288 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		
Potassium hydroxide 1310-58-3		80: 96 h Gambusia affinis mg/L LC50 static		

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

**Other adverse effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

## 14. TRANSPORT INFORMATION

**DOT**

**UN/ID No** UN3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Disodium Trioxosilicate)  
**Hazard Class** 8  
**Packing Group** II  
**Reportable Quantity (RQ)** 1000 lbs

**IATA**

**UN/ID No** UN3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s.(Sodium hydroxide, Disodium Trioxosilicate)  
**Hazard Class** 8  
**Packing Group** II

**IMDG**

**UN/ID No** UN3266  
**Proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide, Disodium Trioxosilicate)  
**Hazard Class** 8  
**Packing Group** II

## 15. REGULATORY INFORMATION

**International Inventories****Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X

**U.S. EPA Label Information**

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b> Not
	Not determined	Not determined	Not determined	determined <b>Personal</b>
<b><u>HMIS</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>protection X</b>
	3	0	2	

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 Revision Note Corrections

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**