



# SAFETY DATA SHEET

Issue Date: 01-Jun-2010

Revision Date: 11-Mar-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ACE MASTERCLEAN COIL CLEANER

### Other means of identification

**SDS #** MCC

**UN/ID No** UN3266

**Other Information** Package type: 32oz., 1, 5, 55 gal.

### 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

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard Statements

Harmful if swallowed  
Causes severe skin burns and eye damage



**Appearance** Light brown liquid

**Physical State** Liquid

**Odor** Herbal

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 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: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of in accordance with federal, state and local regulations

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other Information**

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

### 3. COMPOSTION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Potassium hydroxide	1310-58-3	<50
Sodium metasilicate pentahydrate	10213-79-3	<5

### 4. FIRST AID MEASURES

**First aid measures**

**General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

<b>Eye Contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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

<b>Symptoms</b>	Inhalation may cause irritation to nasal passages. Severe burns to exposed skin. Blindness may occur. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Ingestion may cause severe burns to mouth, throat or stomach.
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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)

## 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. Use personal protection recommended in Section 8.
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**Conditions for safe storage, including any incompatibilities**

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

**Incompatible materials** Acids. Soft metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

**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** Ensure adequate ventilation, especially in confined areas.

**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>	Light brown liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Light brown		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	13.0-14.0	
<b>Melting point/freezing point</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>	Not determined	
<b>Upper flammability limits</b>	Not determined	
<b>Lower flammability limits</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 in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition 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.

### Hazardous polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

Incompatible materials. Keep out of reach of children.

### Incompatible materials

Acids. Soft metals.

### 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 serious eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Potassium hydroxide 1310-58-3	214 mg/kg ( Rat )	-	-
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) 610 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
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

Chemical Name	Partition coefficient
Potassium hydroxide 1310-58-3	0.83

**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
Potassium hydroxide 1310-58-3	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**DOT**

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

**IMDG**

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

**15. REGULATORY INFORMATION**

**International Inventories**

Not determined

**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*

**U.S. 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

**U.S. State Regulations**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide 1310-58-3	1000 lb			X
Sodium metasilicate pentahydrate 10213-79-3	1000 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ		Reportable Quantity (RQ)
Potassium hydroxide 1310-58-3	1000 lb			RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium metasilicate pentahydrate 10213-79-3	1000 lb			RQ 1000 lb final RQ RQ 454 kg final RQ

**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium hydroxide 1310-58-3	X	X	X
Sodium metasilicate pentahydrate 10213-79-3	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 determined	Not determined	Not determined	Not determined
<b><u>HMIS</u></b>	<b>Health hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal protection</b>
	3	0	2	X

Issue Date: 01-Jun-2010  
 Revision Date: 11-Mar-2015  
 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**