



# SAFETY DATA SHEET

Issue Date: 08-May-2008

Revision Date: 26-Feb-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** ACE ECO-KLEEN

### Other means of identification

**SDS #** EKC

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

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

**Recommended Use** Cleaning 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

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Clear green

**Physical State** Liquid

**Odor** None

### Hazards not otherwise classified (HNOC)

Not applicable

### Other Information

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
dipropylene glycol monomethyl ether (DPM)	34590-94-8	<19
Alcohols, C9-11 ethoxylated	68439-46-3	<11

### 4. FIRST AID MEASURES

#### First aid measures

<b>General advice</b>	Provide this SDS to medical personnel for treatment.
<b>Inhalation</b>	Remove to fresh air. Call a physician if you feel unwell.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

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

<b>Symptoms</b>	Ingestion may cause nausea, vomiting, dizziness, and headache. Direct contact with eyes may cause temporary irritation. Direct contact may cause temporary redness and discomfort. May cause dermatitis or irritation in some individuals upon prolonged contact.
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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

Dry chemical, CO2 or water spray.

**Unsuitable Extinguishing Media** Not determined

#### Specific hazards arising from the chemical

Not determined

#### 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.

### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Personal precautions</b>	Use personal protective equipment as required
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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. Absorb spill with inert material (e.g. dry sand or earth).
<b>Methods for cleaning up</b>	Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

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

**Incompatible materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
dipropylene glycol monomethyl ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m3 (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m3 STEL: 150 ppm STEL: 900 mg/m3

**Appropriate engineering controls**

**Engineering Controls** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

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

<b>Eye/face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	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>	None
<b>Appearance</b>	Clear green	<b>Odor threshold</b>	Not determined
<b>Color</b>	Green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7.0-9.0	
<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>	1.01-1.03	
<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

Not reactive under normal conditions

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Keep out of reach of children.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	May cause temporary irritation on eye contact.
<b>Skin Contact</b>	May cause temporary irritation on skin contact.
<b>Ingestion</b>	May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
dipropylene glycol monomethyl ether (DPM) 34590-94-8	= 5230 mg/kg ( Rat )	= 9500 mg/kg ( Rabbit )	-
Alcohols, C9-11 ethoxylated 68439-46-3	= 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-

### 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

<b>ATEmix (oral)</b>	23529 mg/kg
<b>ATEmix (dermal)</b>	36765 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

All raw materials selected from DfE (Safer Choice) approved list.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
dipropylene glycol monomethyl ether (DPM) 34590-94-8		10000: 96 h Pimephales promelas mg/L LC50 static		1919: 48 h Daphnia magna mg/L LC50

### Persistence and degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Not determined

Chemical Name	Partition coefficient
dipropylene glycol monomethyl ether (DPM) 34590-94-8	-0.064

**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.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

### 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

Chemical Name	CAS No	Weight-%	SARA 313 – Threshold Values %
dipropylene glycol monomethyl ether (DPM)	34590-94-8	<19	1.0

#### SARA 311/312 Hazard Categories

#### U.S. State Regulations

##### 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
dipropylene glycol monomethyl ether (DPM) 34590-94-8	X	X	X

**U.S. EPA Label Information**

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Instability</b> Not determined	<b>Special Hazards</b> Not determined
<b>HMIS</b>	<b>Health hazards</b> 1	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X

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**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**