

SECTION 1 - IDENTIFICATION

Product Identifier

EVAP-KLEEN

Other Means of Identification

CCL

Recommended Use of the Chemical

Cleaning aluminum finned cooling and hearing coils. For professional use only. Product is a concentrate and should be diluted prior to use.

Responsible Party**Name** Atlantic Chemical & Equipment Company**Address** 3471 Atlanta Industrial Pwky,
Atlanta, GA 30331 USA**Phone** 1.800.929.2436**Web** acechempro.com**Emergency Phone Number**

For Chemical Emergencies call Chemtrec at 1.800.262.8200

SECTION 2 – HAZARD IDENTIFICATION

Classification of the Chemical

Skin Corrosion, category 1

Acute Toxicity, category 4

Signal Word

Danger

Hazard Symbols**Hazard Statement(s)**

Causes severe skin burns and eye damage

Harmful if swallowed

Precautionary Statement(s)

Do not breathe dusts or mists.

Do not eat, drink, or smoke while using this product.

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves, eye protection, and clothing.

Store locked up.

Dispose of container in accordance with local regulations.

IF SWALLOWED:

Rinse mouth. No NOT induce vomiting.

Call a doctor if you feel unwell.

IF ON SKIN (or hair):

Take off immediately all contaminated clothing. Rinse skin with water.

Wash contaminated clothing before reuse.

IF INHALED:

Remove person to fresh air and keep comfortable for breathing.

IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a doctor.

Specific treatment (see FIRST AID section on this label)

Hazards Not Otherwise Classified

None known

0% of the mixture consists of ingredients of unknown toxicity

Note

Labeling information found on this SDS may be different from label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency

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SECTION 3 – COMPOSITION

Ingredient	CAS	wt%	GHS Classification(s)
2-Butoxyethanol	111-76-2	<18%	Eye Damage 1; Acute Toxicity 4 (oral)
Sodium Metasilicate Pentahydrate	10213-79-3	<13%	Skin Corrosion 1; STOT-SE-3 (resp)
Monoethanolamine	141-43-5	<12%	Skin Corrosion 1; Acute Toxicity 4 (derm)
Edetic Acid	60-00-4	<9%	Eye Irritant 2
Sodium Hydroxide	1310-73-2	<7%	Skin Corrosive 1

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions

SECTION 4 – FIRST AID MEASURES

General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional.

Most Important Symptoms

Not determined.

If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing.

If on Skin

Neutralize with very diluted vinegar solution, wash with soap and water, apply skin cream. For large burns – GET IMMEDIATE MEDICAL ATTENTION.

If in Eyes

Immediately flush with plenty of water for up to 15 minutes. Immediate medical attention is required.

If Swallowed

Drink plenty of water. Do NOT induce vomiting. If vomiting happens naturally, have victim lean forward to reduce risk of aspiration. Drink plenty of water.

Indication of Immediate Medical Attention

Severe burns to exposed skin.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None known

Specific Hazards Arising From the Chemical

Avoid mixing with acids and soft metals

Hazardous Combustion Products

Not determined

Special Protective Equipment for Fire-fighters

Wear impervious to strong alkaline protective clothing

Precautions for Fire-Fighters

Not determined



SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture

Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses

Emergency Procedures

Evacuate all non-essential personnel from the area. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Methods for Containment and Clean Up

Prevent further leakage or spillage if safe to do so. Neutralize with water and vinegar. 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)

References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment

Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Store appropriate to NFPA ratings found in Section 15 of this SDS.

Storage Incompatibilities

Acids

SECTION 8 – PERSONAL PROTECTION

Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	5 ppm
Sodium Metasilicate Pentahydrate	10213-79-3	n/a	n/a	n/a
Monoethanolamine	141-43-5	3 ppm	3 ppm	3 ppm
Edetic Acid	60-00-4	n/a	n/a	n/a
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³	2 mg/m ³

General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section

Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up



Eye Protection

Eye glasses or goggles are recommended when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible

Respiratory Protection

Not anticipated to require personal breathing apparatuses for use or other respiratory protection equipment

Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material

SECTION 9 – CHEMICAL PROPERTIES

Appearance	Clear green	Upper Explosive %	Not determined
Odor	Herbal	Lower Explosive %	Not determined
Odor Threshold	Not determined	Vapor Density	Not determined
pH	13.0	Relative Density	Not determined
Melting Point	Not determined	Solubility	Not determined
Boiling Point	Not determined	Partition Coefficient	Not determined
Flash Point	Not determined	Auto-Ignition Temp	Not determined
Evaporation Rate	Not determined	Decomposition Temp	Not determined
Flammability	Not determined	Viscosity	Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Material is not anticipated to be reactive

Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Incompatible materials. Keep out of reach of children

Incompatible Materials

Acids

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates

Oral – 1,807 mg/kg bw (category 4)

Dermal – Contains no ingredient(s) considered toxic

Inhalation - Contains no ingredient(s) considered toxic

Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category

Carcinogenicity

Contains no ingredient(s) which poses a risk in this category

Eye Damage/Irritation

Contains ingredients which pose a risk in this category

Germ Cell Mutagenicity

Contains no ingredient(s) which poses a risk in this category

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Reproductive Toxicity

Contains no ingredient(s) which poses a risk in this category

Respiratory Sensitization

Contains no ingredient(s) which poses a risk in this category

Skin Corrosion/Irritation

Contains ingredients which poses a risk in this category

Skin Sensitization

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Repeated Exposure

Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) which poses a risk in this category

Delayed and Immediate Effects From Short- and Long-Term Exposure

Not determined

Symptoms related to the Chemical Characteristics

Severe burns to skin. Gastrointestinal irritation, nausea, diarrhea, vomiting.

National Toxicology Program Listing

No ingredient(s) listed as possibly carcinogenic

International Agency for Research on Cancer Listing

2-Butoxyethanol

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity Estimated Values

Algae	Contains no ingredient(s) considered toxic
Fish	Contains no ingredient(s) considered toxic
Crustacea	Contains no ingredient(s) considered toxic

Persistence and Degradability

Not determined

Bioaccumulative Potential

Not determined

Mobility in Soil

Not determined

Other Adverse Effects

Not determined

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of Empty Containers

Empty container can be recycled

Disposal of Material

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material



SECTION 14 – TRANSPORTATION INFORMATION

Hazard Placards



Special Precautions

Keep in original container. Do not store excessive weight on top

UN Number	1760
UN Shipping Name	Corrosive liquids, n.o.s.
Technical Name(s)	Sodium silicate and monoethanolamine mixture
Hazard Class(es)	8
Packaging group	II
Limited Quantity	< 1.0 L
Marine Pollutant	No
Transport in Bulk	Not determined

SECTION 15 – REGULATORY INFORMATION

SARA 311	2-Butoxyethanol; Sodium Metasilicate Pentahydrate; Monoethanolamine; Edetic Acid
SARA 312	2-Butoxyethanol; Sodium Metasilicate Pentahydrate; Monoethanolamine; Edetic Acid
SATA 313	2-Butoxyethanol

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

California

Prop65	No applicable ingredient(s)
ARB Designation	Single Purpose Cleaner
VOC Limit	Not applicable

HMIS®III (higher numbers indicate higher risk)

Health	3
Flammability	0
Physical Hazard	0

NFPA (higher numbers indicate higher risk)

Health	3
Flammability	0
Instability	0

SECTION 16 – OTHER INFORMATION

Revision History

June 2021 SDS Review and re-authoring

General Disclaimer

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process

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- END SAFETY DATA SHEET -

