

SECTION 1 - IDENTIFICATION

Product Identifier

SUPREME COIL CLEANER

Other Means of Identification

CSF

Recommended Use of the Chemical

Cleaning and brightening aluminum finned cooling and heating coils. For professional use only. Contains Hydrofluoric Acid, can be fatal if used incorrectly, use product at own risk.

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

Acute Toxicity, dermal, category 1

Acute Toxicity, oral, inhalation, category 2

Skin Corrosion, category 1a

Signal Word

Danger

Hazard Symbols



Hazard Statement(s)

Fatal in contact with skin

Fatal if swallowed

Fatal if inhaled

Causes severe skin burns and eye damage

Precautionary Statement(s)

Do not breathe dusts, mists, or fumes.

Do not get in eyes, on skin, or on clothing.

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

Use only outdoors or in a well-ventilated area.

[In case of inadequate ventilation] wear respiratory protection.

Wash hands and exposed skin thoroughly after handling.

Wear protective gloves, eye protection, and clothing.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents in accordance with local regulations.

IF SWALLOWED:

Rinse mouth. Do NOT induce vomiting.

Immediately call a poison control center.

IF ON SKIN (or hair):

Take off immediately all contaminated clothing.

Wash with plenty of 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 so. Continue rinsing.

Immediately call a poison control center.

Specific treatment is urgent (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

SECTION 3 – COMPOSITION

Ingredient	CAS	wt%	GHS Classification(s)
Hydrofluoric Acid	7664-39-3	<25%	Skin Corrosion 1a; Acute Tox. 1 (dermal); Acute Tox. 2 (oral, inhal)
Sulfuric Acid	7664-93-9	<20%	Skin Corrosion 1a

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

None known

If in Eyes

Immediately flush with plenty of water. After initial flushing, remove any contact lenses, if present and easy to do. Continue to flush for at least 15 minutes to ensure proper flushing of material from eye. Immediately call a poison control center.

If Inhaled

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

Note to Physician

Overexposure may produce hypocalcaemia therefore systemic administration of calcium gluconate may be necessary.

Eyes: Hold eye lids apart and flood eyes with running water for at least 15 minutes. A 1% calcium gluconate solution should be used to wash eyes for 15 minutes and then instilled every 2-3 hours. A physician, or preferably an eye specialist should be called immediately.

Skin: painful detection may be delayed, If suspected contact, treat as contact. Wash effected area of the skin with copious amounts of water. A calcium gluconate gel (2.5%) or a 1% zephrine chloride wash should be rubbed in until pain has subsided.

If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth thoroughly with water. Call a poison control center immediately.

Indication of Immediate Medical Attention

Inhalation may cause irritation to nasal passages. Severe burns to exposed skin. Nausea. Blindness may occur.

If on Skin

Take off contaminated clothing and launder with detergent before reuse. If clothing must be pulled over head, cut it free instead. Wash skin with water. Get medical attention immediately.



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

Contact with alkalis and metals may evolve flammable hydrogen gas. Emits toxic fumes under fire conditions.

Hazardous Combustion Products

Carbon oxides

Special Protective Equipment for Fire-fighters

Wear protective clothing impervious to strong alkalines.

Precautions for Fire-Fighters

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

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 clothing suitable for chemical resistance. Wear protective eye glasses/goggles. Wear self-contained breathing apparatus (SCBA).

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. Isolate area. Keep unnecessary and unprotected personnel from entering contaminated area. Absorb material with an inert material. Prevent from entering drains, sewers, or other bodies of water, absorb unrecoverable product. Transfer contaminated material to containers for disposal.

Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS

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

Alkali. Ammonia. Chlorine bleach. Oxidizers. Alkaline materials.

The logo for Ace, featuring the word "Ace" in a stylized, red, cursive font with a registered trademark symbol (®) to the upper right of the 'e'.

SECTION 8 – PERSONAL PROTECTION

Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
Hydrofluoric Acid	7664-39-3	3 ppm	0.5 ppm	3 ppm
Sulfuric Acid	7664-93-9	1 mg/m ³	0.2 mg/m ³	1 mg/m ³

General Note

Suspected contact with product should be treated as if definite contact was made. 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. If vapors are detected, ventilate work area by opening windows and using exhaust fans. Always work with wind from behind

Skin 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

Eye Protection

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

SECTION 9 – CHEMICAL PROPERTIES

Appearance	Clear pink liquid	Upper Explosive %	Not determined
Odor	Pungent	Lower Explosive %	Not determined
Odor Threshold	Not determined	Vapor Density	Not determined
pH	1.0-2.0	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

Product will react violently with the addition of incompatible materials.

Conditions to Avoid

Incompatible materials. Keep out of reach of children.

Incompatible Materials

Alkali. Ammonia. Chlorine bleach. Oxidizers. Alkaline materials

Hazardous Decomposition Products

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



SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates

Oral – Contains an ingredient considered toxic

Dermal – Contains an ingredient considered toxic

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

Germ Cell Mutagenicity

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

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 an ingredient 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

Not determined

National Toxicology Program Listing

Sulfuric Acid

International Agency for Research on Cancer Listing

Sulfuric Acid

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

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SECTION 14 – TRANSPORTATION INFORMATION

Hazard Placards



Special Precautions

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

UN Number	2922
UN Shipping Name	Corrosive liquid, toxic, n.o.s.
Technical Name(s)	Hydrofluoric acid and sulfuric acid mixture
Hazard Class(es)	8 (6.1)
Packaging group	II
Limited Quantity	< 1.0 L
Marine Pollutant	No
Transport in Bulk	Not determined

SECTION 15 – REGULATORY INFORMATION

SARA 311	Hydrofluoric Acid; Sulfuric Acid
SARA 312	Hydrofluoric Acid; Sulfuric Acid
SATA 313	Hydrofluoric Acid; Sulfuric Acid

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	2

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
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- END SAFETY DATA SHEET -

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