



SAFETY DATA SHEET
Power Coil Clean®
Concentrate

BBJ Environmental Solutions
"The standard of care for indoor air"

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Power Coil Clean®

1.2 Other Means of Identification

520-01; 525-01

1.3 Recommended Use of the Chemical

See label instructions.

1.4 Restrictions on Use

None known.

1.5 Manufactured By

DiversiTech Corporation
3039 Premiere Parkway
Suite 600
Duluth, GA 30097
1.800.995.2222

1.6 Emergency Telephone Number

For chemical emergencies, day or night, call ChemTel at **1.800.255.3924**

SECTION 2 – HAZARD IDENTIFICATION

2.1 Classification of the Chemical

Skin Corrosion, category 1
Carcinogenicity, category 2b
Acute Toxicity, category 4 (oral)

2.2 Pictograms



2.3 Signal Word

Danger

2.4 Hazard Statement(s)

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H351 Suspected of causing cancer.

2.5 Precautionary Statements

P102 Keep out of reach of children.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dusts or mists.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves and eye protection.
P301+312 IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

330+331
P303+361 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
+353
P363 Wash contaminated clothing before reuse.
P321 Specific treatment (see FIRST AID section on this label).
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+313 If exposed or concerned: Get medical advice.
P310 Immediately call a doctor.
P405 Store locked up.
P501 Dispose of container in accordance with local regulations.

2.6 Hazard(s) Not Otherwise Classified

None known

0% of the chemical consists of ingredient(s) of unknown acute toxicity.

2.7 Note

Labeling elements found on this SDS may be different from labeling elements found on the 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. Please contact the responsible party in Section 1 if you have any questions.

SECTION 3 – INFORMATION ON INGREDIENTS

3.1 Ingredients Hazardous to Health

Ingredient	CAS	Concentration	GHS Classification(s)
Ammonium Hydrofluoride Fluoride	1341-49-7	< 5%	Acute Tox 3 (oral), Skin Corr 1
Hydrofluoric acid	7664-39-3	< 2%	Acute Tox 2 (oral, inhal., dermal), Skin Corr 1
Cocamide diethanolamine	68603-42-9	< 1%	Skin Irrit. 2, Eye Dam 1, Carc 2b
Diethanolamine	111-42-2	< 0.2%	Acute Tox 4 (o), Skin Irrit 2, Eye Dam 1, STOT-RE 2

3.2 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.

3.3 Note

This product may contain other ingredients that are not required to be disclosed on this safety data sheet or product label in accordance with 19 CFR §1910.1200. Any ingredient not listed on either the SDS or label is not considered hazardous to health and shouldn't pose a risk to the user.

SECTION 4 – FIRST AID MEASURES

4.1 General First Aid Measures

If medical attention is required due to exposure then be sure to take product label or safety data sheet when seeking medical care.

4.2 Most Important Symptoms

Eye Exposure: Pain, redness, swelling, tearing.

Skin Exposure: Symptoms ranging from minor skin irritation to painful redness and swelling. Effects of skin contact may not be immediate, and contact may not be painful at first. Burns may appear stable only to get much worse several hours after exposure. May cause hypocalcemia and other toxic effects.

Inhalation: May cause headache, chest pains and cough. Aspiration of product during vomiting may cause pulmonary edema and pneumonitis (fluid on the lungs and inflammation of the lungs). Breathing difficulties that may be delayed in onset. Symptoms may include nausea, vomiting, abdominal pain and diarrhea, difficulty breathing, swelling of the throat, unconsciousness, coma and possible heart failure.

Ingestion: May result in the fluoride ion binding with calcium to produce abnormally low levels of serum calcium (hypocalcaemia), which will impair many necessary physiological functions in the body (e.g., muscle contractions).

4.3 If Inhaled

If product mist or spray causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Do not use mouth-to-mouth method if the victim inhaled this product; give artificial respiration with the aid of

a pocket mask equipped with a one-way valve or other proper respiratory medical device. If unconscious, maintain an open airway. Loosen tight fitting clothing such as a collar, tie, belt, or waistband. Get Immediate medical attention. Calcium gluconate 2.5% in normal saline may be given by nebulizer with oxygen. If unavailable, four calcium gluconate (500 mg) tablets should be given by mouth every two hours until the victim is admitted to the hospital.

4.4 If on Skin

Flush skin with large amounts of water while removing contaminated clothing using PVC gloves and continue rinsing for at least 15 minutes. Apply and continually massage calcium gluconate gel (2.5%) into the burn area with gloved fingers until the pain is relieved. Use of local painkillers (anesthetics) is not recommended as reduction in pain is an indicator of the effectiveness of the treatment. Seek immediate medical attention. For large or severe burns four calcium gluconate (500 mg) tablets should be given by mouth every two hours, until the victim receives medical care.

4.5 If in Eyes

Immediately flush eyes with large amounts of water for at least 20 minutes, keeping eyelids apart and away from the eyeball. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing. Immediately contact a doctor, preferably an ophthalmologist. If a doctor is not immediately available, apply one or two drops of 0.5% tetracaine hydrochloride solution or other topical ophthalmic anesthetic and continue irrigation. Do not use skin treatment preparations for burns for the eyes. Use no oils or greases unless instructed to do so by a doctor. Irrigate with 1% calcium gluconate in normal saline for one to two hours to prevent or lessen corneal damage.

4.6 If Swallowed

Get immediate medical assistance. Rinse mouth with water if the victim is conscious. Remove dentures if any. DO NOT induce vomiting. Give 3 - 4 glasses of water to drink if the victim is conscious and alert and able to swallow. Give four calcium gluconate (500 mg) tablets every two hours; if not available, give the victim milk or milk of magnesia. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. To prevent aspiration of swallowed material lay the victim on one side with the head lower than the waist.

4.7 Indication of Immediate Medical Attention

First aid and medical treatment must be specific for Hydrofluoric Acid Solutions. The damage caused by this product is far more extensive than that caused by solutions of hydrochloric or other acids. Hydrofluoric Acid penetrates deeply and rapidly below fat layers, binding, and depleting tissue calcium. Failure to start or provide correct medical treatment may be fatal.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Water spray, carbon dioxide, sand, powder extinguisher, dry chemical.

5.2 Unsuitable Extinguishing Media

None known.

5.3 Specific Hazards

Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

5.4 Hazardous Combustion Products

None known.

5.5 Special Protective Equipment

Full protective equipment including self-contained breathing apparatus should be used.

5.1 Precautions for Fire-Fighters

Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff water to prevent environmental contamination.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Remove non-emergency personnel from the area in an orderly fashion.

6.2 Protective Equipment

Use appropriate chemical-resistant gloves.

6.3 Emergency Procedure(s)

Cover drains to prevent spill from entering waterways. Evacuate non-emergency personnel from the area. Shut off all sources of ignition.

6.4 Methods for Containment

Cover drains and ventilate area to prevent vapor build-up.

6.5 Methods for Clean Up

For small spills, wipe with an absorbent material. For large spills, collect with sawdust, sand, or binder before cleaning. Place in an area appropriate for disposal.

6.6 References

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

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wear all appropriate personal protective equipment specified in Section 8.

7.2 Conditions for Safe Storage

Containers that been opened must be carefully resealed and kept upright to prevent spillage. Containers of this material may be hazardous when empty as they contain product residues. Use appropriate containment to avoid environmental contamination. Ventilate closed areas.

7.3 Storage Incompatibilities

None known.

SECTION 8 – EXPOSURE CONTROLS

8.1 Exposure Controls by Ingredient

Ingredient	CAS	PEL	ACGIH	NIOSH
Ammonium Hydrofluoride Fluoride	1341-49-7	n/a	n/a	n/a
Hydrofluoric acid	7664-39-3	2 mg/m ³	0.3 mg/m ³	2 mg/m ³
Cocamide diethanolamine	68603-42-9	n/a	n/a	n/a
Diethanolamine	111-42-2	n/a	1 mg/m ³	15 mg/m ³

8.2 General Note

Practice good industrial hygiene. Wash hands after handling and use.

8.2 Appropriate Engineering Controls

Ensure mechanical ventilation. Local exhaust is preferable.

8.2 Eye/Face Protection

Wear protective goggles or safety glasses with unperforated side shields during use.

8.2 Skin Protection

Wear rubber gloves impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period. Wear protective boots if the situation requires.

8.2 Respiratory Protection

None with normal use. Always use an approved respirator when vapors are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

8.2 Environmental Protection

Do not empty into drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Appearance	Pale yellow liquid
Odor	Mild
Odor Threshold	Not determined
pH	5.4 – 5.6
Melting Point	0 °C (32 °F)
Boiling Point	100 °C (212 °F)
Flashpoint	Not determined
Flammability	Not determined
Evaporation Rate	Not determined
Upper Explosive Limit	Not determined
Lower Explosive Limit	Not determined
Vapor Pressure	17 mm Hg @ 20 °C
Vapor Density	Not determined
Solubility	Miscible
Auto-Ignition	Not determined
Relative Density	Not determined
Partition Coefficient	Not applicable
Decomposition Temp	Not determined
Viscosity	Not determined

9.2 Other Information

VOC%	Not determined
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SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

Not anticipated to be reactive.

10.2 Chemical Stability

Chemical is stable in normal storage conditions.

10.3 Hazardous Reactions

None known.

10.4 Incompatible Materials

Strong oxidizing agents., strong reducing agents, acids, alkalis, fluorine. DO NOT add water to the acid. ALWAYS add the acid to water while stirring to prevent release of heat, steam and fumes.

10.5 Conditions to Avoid

Extreme temperatures. Contact with incompatible materials.

10.6 Hazardous Decomposition Products

Thermal decomposition products include oxides of phosphorus, phosphine oxides.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity Estimates (ATE)

Oral	>800 mg/kg bw (Acute Toxicity 4)
Dermal	>2500 mg/kg bw (Not considered toxic)
Inhalation	>39.5 mg/L (Not considered toxic)

11.2 Skin Corrosion/Irritation

May cause severe skin burns.

11.3 Eye Damage/Irritation

May cause severe eye damage.

11.4 Sensitization

Skin Contains no ingredient(s) applicable to this category.

Respiratory Contains no ingredient(s) applicable to this category.

11.5 Germ Cell Mutagenicity

Contains no ingredient(s) applicable to this category.

11.6 Carcinogenicity

Contains less than 1% of ingredients with a carcinogenicity 2b categorization. The hazard is present on the SDS but is not required to be disclosed on the label per OSHA regulations.

11.7 Reproductive Toxicity

Contains no ingredient(s) applicable to this category.

11.8 Aspiration Hazard

Contains no ingredient(s) applicable to this category.

11.9 Specific Target Organ Toxicity – Single Exposure

Contains no ingredient(s) applicable to this category.

11.10 Specific Target Organ Toxicity – Repeated Exposure

Contains ingredients known to cause organ damage through long term use but are present at concentrations below thresholds.

11.11 Symptoms Related to Characteristics

None known.

11.12 Delayed and Immediate Effect from Short- and Long-Term Exposure

None known.

11.13 National Toxicology Program Listing

Not listed.

11.14 International Agency for Research on Cancer Listing

Cocamide diethanolamine (68603-42-9) Group 2B Possibly carcinogenic to humans

Diethanolamine (111-42-2) Group 2B Possibly carcinogenic to humans

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Eco-Toxicity

Algae Contains no ingredient(s) considered toxic.

Fish Contains no ingredient(s) considered toxic.

Crustacea Contains no ingredient(s) considered toxic.

12.2 Persistence and Degradability

Not determined.

12.3 Mobility in Soil

Expected to have high mobility in soil.

12.4 Bioaccumulative Potential

Material is not expected to bioaccumulate.

12.5 Other Adverse Effects

Not determined.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Disposal of Empty Containers

Please recycle container with a licensed recycling company.

13.2 Disposal of Full or Partially Full Containers

Dispose of in accordance with local regulations. Contact a waste management company for additional questions.

SECTION 14 – TRANSPORTATION INFORMATION

14.1 Hazard Placard



14.2 UN Number

UN1760

14.3 UN Proper Shipping Name

Corrosive liquid, n.o.s.

14.4 Hazard Class

8

14.5 Packaging Group

III

14.6 Environmental Hazard

No

14.7 Transport in Bulk

Not determined

14.8 Special Precautions

Do not ship with excessive weight on top. Keep in original containers.

14.9 Limited Quantity

5.0 L

SECTION 15 – REGULATORY INFORMATION

15.1 SARA

311 Hydrofluoric Acid
312 Hydrofluoric Acid
313 Hydrofluoric Acid

15.2 Right-To-Know

Hydrofluoric Acid, Diethanolamine

15.3 TSCA Inventory List

Each ingredient is on the TSCA inventory list as ACTIVE or EXEMPT.

15.4 California State Laws

Prop65 WARNING! This product can expose you to chemicals including diethanolamine and Cocamide diethanolamine which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

ARB Single Purpose Cleaner

VOC Limit Not applicable.

15.5 HMIS® III (higher numbers indicate higher risk)

Health 3
Flammability 0
Physical Hazard 1

15.6 NFPA® (higher numbers indicate higher risk)

Health 3

Flammability 0
Instability 1

SECTION 16 – OTHER INFORMATION

16.1 Revision Date

A 2021 Additional SDS information provided.

16.2 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.

16.3 SDS Prepared By

Cogwork Consulting Group, LLC.
www.cogworkconsulting.com