

Material Safety Data Sheet

According to 91/155/EEC and OSHA Hazard Communication Std. 29CFR1910.1200

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Commercial Product Name: POWR-CLEAN FC

Company: Power Coolant & Chemical, LLC
15619 Frohock Place
Charlotte, NC 28277
Phone: 1-704-759-3435
Fax: 1-704-759-1989

Emergency Telephone Number: CHEMTREC ® 1-800 -424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS:

	Ingredient	CAS #	% weight	Exposure Limits
1.)	Ethylene Glycol Monobutyl Ether	111-76-2	1-8	25 ppm
2.)	Sodium metasilicate	6834-92-0	1-5	None Established
3.)				
4.)				
5.)				
6.)				
7.)				
8.)				

3. HAZARDS IDENTIFICATION:

Emergency Overview: Light green liquid, mild Pine odor. Concentrate may cause eye and skin irritation.

Inhalation: Not expected to be a relevant route of exposure. However, high vapor or aerosol mist concentrations may be irritating to the nose, throat, and upper respiratory tract.

Skin: Can cause skin irritation, and defatting. Prolonged contact will result skin irritation.

Ingestion: Causes sever gastric distress, and possible mucosal damage. May cause nausea and vomiting.

Eye Contact: Can cause severe eye irritation. Chemical conjunctivitis possible from concentrate or dilutions.

4. FIRST AID MEASURES:

- Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.
- Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Do not reuse clothing or shoes until thoroughly cleaned.
- Inhalation: Remove individual to fresh air and provide oxygen if breathing is difficult. Get medical attention.
- Ingestion: Wash mouth thoroughly with water. Give large quantities of milk or water to drink. Do not induce vomiting. Seek medical attention. never give anything by mouth to an unconscious person.

5. MEASURES FOR FIRE FIGHTING:

Flash Point (Typical)	>212F (100C) (PMCC)
Autoignition Temperature	None
Upper Flammable Limit	None
Lower Flammable Limit	none
Products of Combustion	Mainly oxides of carbon and sulfur with small amounts of other unidentified organic compounds.
Extinguishing Media	Water Fog, Dry Chemical, Foam
Firefighting Procedures	No special procedures required.
Unusual Fire and Explosion	
Hazards	None.
Explosion Data	Material does not have explosive properties.

NFPA Rating: Health - 2, Flammability - 0, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES:

Material may burn, although it is not readily ignitable. Use cautious judgment when cleaning up large spills. For large spills, wear respirator and protective clothing as appropriate. Shut off source of leak if safe. Dike and contain the spill. Remove with vacuum trucks or pump to storage or salvage vessel. Soak up residue with an absorbent such as clay, sand, or other suitable material. Flush area with water to remove trace residues. Material may be slippery if on a hard surface.

7. HANDLING AND STORAGE:

Storage temperature (°C)	0-40
Storage Precautions	None.
Suitable materials/Coatings	All plastics, and most common metals
Unsuitable Materials	None.
Storage Procedures	Keep containers closed when not in use. Wash thoroughly after handling. Empty containers contain product residue which may exhibit hazards of product. No special storage procedures required.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Exposure Limits (O.E.L.)	None Established
Ventilation Procedures	Use with adequate ventilation. Avoid breathing mists or spray formed during machining operations.
Hand Protection	Use nitrile or neoprene gloves.
Eye Protection	Use chemical safety glasses with side shields.
Respiratory Protection	Under normal conditions of use, respirator is not normally required.
Clothing	Industrial overalls would be suitable, but protection of forearms is recommended.

9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Green liquid
Solubility	Completely dispersible in water.
Odor	Mild pine odor
Specific Gravity	1.065±0.05
pH @1%	10.6-11.2
Boiling Point	>210F
Vapor Pressure	as water
% Volatile by Volume	83
Vapor Density	as water
Percent Solids (w/w):	10-20

10. STABILITY AND REACTIVITY:

Stability	Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility	Stong oxidizing agents.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products:	Carbon monoxide, and other oxides of carbon may be formed.

11. TOXICOLOGICAL INFORMATION:

Eyes:	Causes severe eye irritation.
Skin:	May cause skin irritation.

Respiratory: If material is misted or if exposure to vapors generated through heating occurs, irritation of mucous membranes and upper respiratory tract may occur. Under normal standards of industrial hygiene irritation should not occur.

Oral LD50: Not Determined

Dermal LD50: Not Determined

Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity: No data available to indicate product or components present at greater than 0.1% present a carcinogenic hazard.

Mutanogenicity: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenicity: No data available to indicate product or components present at greater than 0.1% may cause birth defects.

Occupational Exposure Limits: Under conditions which may generate mists observe the OSHA PEL of 5mg/m³ and ACGIH STEL of 10mg/m³.

Other: No other health hazard known.

12. ECOLOGICAL INFORMATION:

Do not allow access to natural waterways. Dispose of properly.

13. DISPOSAL CONSIDERATIONS:

Product: As chemical waste in accordance with federal, state, and local regulations.

Packaging, Empty: Uncleaned containers should be recycled or disposed of. Receiver of container should be informed about the possible hazards as described in this Material Safety Data Sheet.

14. TRANSPORT INFORMATION:

This product is not considered hazardous for transport by D.O.T.

Proper Shipping Name:

Not Regulated

15. REGULATORY INFORMATION:

S.A.R.A. Title III section 311 and 312

This product is not classified as an immediate health hazard.

S.A.R.A. Title III section 313

Components present in this product at a level which could required reporting under the statute

are:	CHEMICAL	CAS#	CONCENTRATION
	Glycol Ether	NONE	0.48 lbs./gallon

CERCLA section 103

The following chemical(s) are present in this product:

None.

TSCA Inventory Status

The components of this product are listed or are exempt from the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. FURTHER DATA:

None.

All data in this Safety Data Sheet are based on present state of our knowledge and experience. They are to characterize our product with regards to any possible safety requirements. We do, however, pass them on to you without any warranty or property assurances.