SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2922	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	PRO EARTH COIL CLEANER	**EMERGENCY TELEPHONE:**	1-800-241-8180
PRODUCT DESCRIPTION:	Heavy-Duty Evaporator/Condenser Coil Cleaner	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Serious eye damage/eye irritation Category 2	**SIGNAL WORD:** **WARNING**	**SYMBOL:**	

HAZARD STATEMENT:

Causes severe eye irritation.

PRECAUTIONARY STATEMENTS:

Prevention:

Wash face, hands and any exposed skin thoroughly after handling.

Wear eye/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

OTHER INFORMATION:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
dipropylene glycol monomethyl ether (DPM)	34590-94-8	<23
Alcohols, C9-11 ethoxylated	68439-46-3	<17
Sodium carbonate	497-19-8	<8
Citric Acid	77-92-9	<9

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Immediately flush with plenty of water for up to 15 minutes. Get medical attention.

SKIN: Get medical attention if irritation develops or persists.

INHALATION:

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

INGESTION:

Drink plenty of water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

May cause severe eye irritation. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Vapor causes irritation to nasal and respiratory passages.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: Treat symptomatically.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Dry chemical, CO2 or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Not determined.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Not determined.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon oxides.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

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

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Use personal protective equipment as required. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

See Section 12 for additional ecological information.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use personal protection recommended in Section 8.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store locked up. Keep container tightly closed.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents. Acids.

8. Exposure Controls / Personal Protection

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH INDL
dipropylene glycol monomethyl ether (DPM) 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m^3 (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m^3 (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m^3 (vacated) S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m^3 STEL: 150 ppm STEL: 900 mg/m^3
Citric Acid 77-92-9	-	15 mg / m3 (Total)	-

PERSONAL PROTECTION MEASURES:

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

SKIN PROTECTION: Wear suitable protective clothing and footwear appropriate for the risk of exposure. Wear protective Neoprene™ gloves.

RESPIRATORY PROTECTION: Ensure adequate ventilation, especially in confined areas.

GENERAL HYGIENE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice.

ENGINEERING CONTROLS:

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

9. Physical & Chemical Properties

Appearance:	Clear yellow liquid.	**Flammability(solid/gas):**	Not determined.
Physical State:	Liquid.	**Flammability Limits in Air:**	Not determined.
Color:	Clear to yellow.	**Flammability Limit–upper(%):**	Not determined.
Odor:	Characteristic.	**Flammability Limit–lower (%):**	Not determined.
Odor Threshold:	Not determined.	**Vapor Pressure:**	Not determined.
pH:	9-10	**Vapor Density:**	Not determined.
Melting/Freezing Point:	Not determined.	**Relative Density:**	Not determined.
Boiling Point/Range:	Not determined.	**Solubility (water):**	Not determined.
Partition Coeff (n-octanol/water):	Not determined.	**Auto-Ignition Temperature:**	Not determined.
Specific Gravity:	1.01-1.03	**Decomposition Temperature:**	Not determined.
Flash Point:	Not determined.	**Solubility (other solvents):**	Not determined.
Evaporation Rate:	Not determined.	**Viscosity (kinematic):**	Not determined.
Viscosity (dynamic):	Not determined.	**Explosive Properties:**	Not determined.
Oxidizing Properties:	Not determined.		

10. Stability & Reactivity Information

REACTIVITY:

Not reactive under normal conditions.

CHEMICAL STABILITY:

Stable under recommended storage conditions.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents. Acids.

CONDITIONS TO AVOID:

Incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known based on information supplied.

POSSIBILITY OF HAZARDOUS REACTIONS:

None under normal processing.

11. Toxicological Information

ACUTE/POTENTIAL HEALTH EFFECTS:

EYES: Causes severe eye irritation.

SKIN: May cause temporary irritation on skin contact.

INHALATION: May cause irritation to the mucous membranes and upper respiratory tract.

INGESTION: 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)	-
Sodium carbonate 497-19-8	4090 mg/kg (Rat)	-	-
Citric Acid 77-92-9	= 3000 mg/kg (Rat)	-	-

INFORMATION ON PHYSICAL, CHEMICAL, &TOXICOLOGICAL EFFECTS:

Please see Section 4 of this SDS for symptoms.

DELAYED & IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT & 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 Section 3 of the GHS document:

ATEmix (oral)	12920 mg/kg
ATEmix (dermal)	26042 mg/kg

12. Ecological Information

ECOTOXICITY:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

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
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50
Citric Acid 77-92-9		1516: 96 h Lepomis macrochirus mg/L LC50 static		120: 72 h Daphnia magna mg/L EC50

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
Citric Acid 77-92-9	-1.72

OTHER ADVERSE EFFECTS:

Not determined.

13. Disposal Consideration

DISPOSAL OF WASTE:

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.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
Sodium carbonate 497-19-8	Corrosive

14. Transportation Information

DOT: Not regulated.

IATA: Not regulated.

IDMG: Not regulated.

15. Regulatory Information

INTERNATIONA INVENTORIES:

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*

US FEDERAL REGULATIONS:

CHEMICAL NAME	CAS #	WEIGHT-%	SARA 313-Threshold Values %
dipropylene glycol monomethyl ether (DPM)	34590-94-8	<23	1.0

SARA 311/312 Hazard Categories

US STATE REGULATIONS

U.S. State Right-to-Know Regulations

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
dipropylene glycol monomethyl ether (DPM) 34590-94-8	X	X	X

US EPA LABEL INFORMATION

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.