




SAFETY DATA SHEET

1. Product and Company Identification			
PRODUCT NUMBER:	1238	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	COIL BRITE	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Bio-Enzymatic Foaming Coil Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification					
GHS CLASSIFICATION:	SIGNAL WORD:	SYMBOL:			
Physical Hazards: Gases under pressure – Compressed Gas Health Hazards: Skin sensitizer – Category 1 Toxic to reproduction – Category 1B Environmental Hazards: Acute hazards to the aquatic environment – Category 3	 DANGER				
HAZARD STATEMENTS: Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. May damage fertility or the unborn child. Harmful to aquatic life.					
PRECAUTIONARY STATEMENTS: Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothes/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment. Response: IF ON SKIN: Wash with plenty of water if skin irritation or rash occurs. Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse. Storage: Protect from sunlight. Store in a well-ventilated place. Store locked up. Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.					
HAZARDS NOT OTHERWISE SPECIFIED: None.					

3. Composition / Information on Ingredients		
Chemical Name	CAS	Concentration % by Weight
Propane	74-98-6	1 - <5%
Butane	106-97-8	1 - <5%
Nitrous acid, sodium salt (1:1)	7632-00-0	0.1 - <1%
Proprietary Fragrance		0.1 - <1%
*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The exact concentration has been withheld as a trade secret.		

4. First Aid Measures
EMERGENCY OVERVIEW: INHALATION: Move to fresh air. SKIN CONTACT: Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention. EYE CONTACT: Rinse immediately with plenty of water. INGESTION: Rinse mouth thoroughly. PERSONAL PROTECTION FOR FIRST-AID RESPONDERS: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA. MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED: Symptoms: No data available. Hazards: No data available. INDICATIONS OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Treatment: Get medical attention if symptoms occur.

5. Fire-Fighting Measures

GENERAL FIRE HAZARDS:

Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Stop flow of gas. Move containers from fire area if you can do so without risk.

SUITABLE FIRE EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Pressurized container may explode when exposed to heat or flame.

SPECIAL FIRE FIGHTING PROCEDURES:

No data available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

7. Handling and Storage

TECHNICAL MEASURES (E.G. LOCAL & GENERAL VENTILATION):

No data available.

SAFE HANDLING ADVICE:

Do not pierce or burn, even after use. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

CONTACT AVOIDANCE MEASURES:

No data available.

SAFE STORAGE CONDITIONS:

Protect from sunlight. Store in a cool place. Store locked up. Aerosol Level 1.

SAFE PACKAGING MATERIALS:

No data available.

STORAGE TEMPERATURE:

No data available.

8. Exposure Controls / Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:

Chemical Identity	Type	Exposure Limit Values		Source	
Propane	REL	1,000 ppm	1,800 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended.	
	PEL	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended.	
	TWA	1,000 ppm	1,800 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended.	
Butane	REL	800 ppm	1,900 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended.	
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended	
	TWA	800 ppm	1,900 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended.	
Borax (B ₄ Na ₂ O ₇ · 10H ₂ O)	REL		5 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended.	
	TWA		10 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended.	
	STEL		6 mg/m ³	US. ACGIH Threshold Limit Values, as amended	
Borax (B ₄ Na ₂ O ₇ · 10H ₂ O) – Inhalable fraction.	TWA		2 mg/m ³	US. ACGIH Threshold Limit Values, as amended	
	1,2-Ethanediol	Ceiling	50 ppm	125 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended.
	1,2-Ethanediol – Vapor fraction	TWA	25 ppm		US. ACGIH Threshold Limit Values, as amended
STEL		50 ppm		US. ACGIH Threshold Limit Values, as amended	
1,2-Ethanediol – Aerosol, inhalable.		STEL		10 mg/m ³	US. ACGIH Threshold Limit Values, as amended
Ethanol, 2-ethoxy-	TWA	5 ppm		US. ACGIH Threshold Limit Values, as amended	
	REL	0.5ppm	1.8 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended.	
	REL	200 ppm	740 mg/m ³	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended.	
	TWA	200 ppm	740 mg/m ³	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended.	

BIOLOGICAL LIMIT VALUES:

Chemical Identity	Exposure Limit Values	Source
Ethanol, 2-ethoxy- (2-Ethoxyacetic acid: Sampling time: End of shift at end of work week.)	100 mg/g (Creatinine in urine)	ACGIH BEL

EXPOSURE GUIDELINES:

Ethanol, 2-ethoxy-	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
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APPROPRIATE ENGINEERING CONTROLS:

No data available.

PERSONAL PROTECTIVE EQUIPMENT:**Eye/Face Protection:** Wear goggles/face shield.**Hand Protection:** No data available.**Skin and Body Protection:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.**Hygiene measures:** Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin. Observe good industrial hygiene practices.

9. Physical & Chemical Properties

Physical State:	Liquid	Vapor Pressure:	No data available.
Form:	Spray Aerosol	Vapor Density (air=1):	No data available.
Color:	No data available.	Density:	No data available.
Odor:	No data available.	Relative Density:	No data available.
Odor Threshold:	No data available.	Solubility in Water:	No data available.
pH:	No data available.	Solubility (other):	No data available.
Freezing Point:	No data available.	Partition Coefficient (n-octanol/water):	No data available.
Boiling Point:	No data available.	Self-Ignition Temperature:	No data available.
Flash Point:	-104.4°C	Decomposition Temperature:	No data available.
Evaporation Rate:	No data available.	Kinematic Viscosity:	No data available.
Flammability(solid/gas):	Non-flammable Aerosol	Dynamic Viscosity:	No data available.
Explosive limit-upper (%):	No data available.	Explosive Properties:	No data available.
Explosive limit-lower (%):	No data available.	Oxidizing Properties:	No data available.

10. Stability & Reactivity Information**REACTIVITY:**

No data available.

CHEMICAL STABILITY:

Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

No data available.

CONDITIONS TO AVOID:

Avoid heat or contamination.

INCOMPATIBLE MATERIALS:

No data available.

HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

11. Toxicological Information**INFORMATION ON LIKELY ROUTES OF EXPOSURE:****Inhalation:** No data available.**Skin Contact:** No data available.**Eye Contact:** No data available.**Ingestion:** No data available.**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS****Inhalation:** No data available.**Skin Contact:** No data available.**Eye Contact:** No data available.**Ingestion:** No data available.**INFORMATION ON TOXICOLOGICAL EFFECTS****ACUTE TOXICITY (list all possible routes of exposure):****Oral Product:** ATEmix: 62,695.92 mg/kg**Dermal Product:** Not classified for acute toxicity based on available data.**REPEATED DOSE TOXICITY:****Inhalation Product:** Not classified for acute toxicity based on available data.**COMPONENTS:**

Propane	NOAEL (Rat(Female, Male), Inhalation, >=28 d): 4,000 ppm(m) Inhalation Experimental result, Key study. LOAEL (Rat(Female, Male), Inhalation, >=28 d): 12,000 ppm(m) Inhalation Experimental result, Key study.
Butane	LOAEL (Rat(Female, Male), Inhalation, >= 28 d): 12,000 ppm(m) Inhalation Experimental result, Key study NOAEL (Rat(Female, Male), Inhalation, >= 28 d): 4,000 ppm(m) Inhalation Experimental result, Key study
Nitrous acid, sodium salt (1:1)	LOAEL (Rat(Male), Oral, 14 Weeks): 115 mg/kg Oral Experimental result, Weight of Evidence study NOAEL (Rat(Male), Oral, 2 yr): 10 mg/kg Oral Experimental result, Supporting study

SKIN CORROSION/IRRITATION**Product:** No data available.**Components:**

Nitrous acid, sodium salt (1:1)	in vivo (Rabbit): Not irritant.
Proprietary Fragrance	Irritating.

SERIOUS EYE DAMAGE/EYE IRRITATION PRODUCT:

No data available.

RESPIRATORY OR SKIN SENSITIZATION PRODUCT:

No data available.

CARCINOGENICITY PRODUCT:

No data available.

IARC MONOGRAPHS ON THE EVALUATION OF CARCINOGENIC RISKS TO HUMANS:

No carcinogenic components identified.

US. NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS:

No carcinogenic components identified.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050), AS AMENDED:

No carcinogenic components identified

GERM CELL MUTAGENICITY**In Vitro Product:** No data available.**In Vivo Product:** No data available.**REPRODUCTIVE TOXICITY****Product:** No data available.**Components:**

Proprietary Fragrance Suspected of damaging fertility or the unborn child.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE PRODUCT:**Product:** No data available.**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE PRODUCT:****Product:** No data available.**ASPIRATION HAZARD PRODUCT:****Product:** No data available.**OTHER EFFECTS:**

No data available.

12. Ecological Information**ECOTOXICITY:****ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:****FISH PRODUCT:****Components:**

Propane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Butane	LC 50 (Various, 96 h): 147.54 mg/l QSAR QSAR, Key study
Nitrous acid, sodium salt (1:1)	LC 50 (Paralichthys orbignyanus, 96 h): 118.3 mg/l Experimental result, Supporting study

AQUATIC INVERTEBRATES**Product:** No data available.**Components:**

Butane	LC 50 (Daphnia sp., 48 h): 69.43 mg/l QSAR QSAR, Key study
Nitrous acid, sodium salt (1:1)	EC 50 (Daphnia magna, 48 h): 15.4 mg/l Experimental result, Key study

CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT:**FISH PRODUCT:**

No data available.

Components:

Nitrous acid, sodium salt (1:1)	NOAEL (Cyprinus carpio): 1.05 mg/l Experimental result, Key study
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AQUATIC INVERTEBRATES**Product:** No data available.**TOXICITY TO AQUATIC PLANTS****Product:** No data available.**PERSISTENCE AND DEGRADABILITY****Biodegradation Product:** No data available.**Components:**

Propane	100% (385.5 h) Detected in water. Experimental result, Key study
	50% (3.19 d) Detected in water. QSAR, Weight of Evidence study
Butane	100% (385.5 h) Detected in water. Experimental result, Key study
Nitrous acid, sodium salt (1:1)	95% (10 d) The 10-day window requirement is fulfilled

BOD/COD RATIO PRODUCT:**Product:** No data available.**BIOACCUMULATIVE POTENTIAL****BIOCONCENTRATION FACTOR (BCF):****Product:** No data available.**PARTITION COEFFICIENT N-OCTANOL / WATER (IOG KOW):****Product:** No data available.**MOBILITY IN SOIL:**

No data available.

Components:

Propane	No data available.
Butane	No data available.
Nitrous acid, sodium salt (1:1)	No data available.
Proprietary Fragrance	No data available.

OTHER ADVERSE EFFECTS:

Harmful to aquatic organisms.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

Discharge, treatment, or disposal may be subject to nation, state or local laws and contaminated packaging.

14. Transportation Information

DOT: UN Number: UN 1950
UN Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es):
Class: 2.2
Label(s): -
EmS No.:
Packing Group: II
Special precautions for user: Not regulated.

IATA: UN Number: UN 1950
UN Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es):
Class: 2.2
Label(s): -
Packing Group: -
Special precautions for user: -
Other information:
Passenger and cargo aircraft: Allowed. 203
Cargo aircraft only: Allowed. 203

IMDG UN Number: UN 1950
UN Proper Shipping Name: Aerosols, non-flammable
Transport Hazard Class(es):
Class: 2
Label(s): -
Packing Group: -
Special precautions for user: Not regulated.

15. Regulatory Information

REGULATORY STATEMENT:

US FEDERAL REGULATIONS:

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

UNLISTED HAZARDOUS WASTES CHARACTERISTIC OF IGNITABILITY

RCRA HAZARDOUS WASTE NO. D001

GLYCOL ETHERS

SODIUM NITRITE

ETHYLENE GLYCOL

ETHYLENE GLYCOL MONOETHYL ETHER

2-ETHOXYETHANOL

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories:

Respiratory or Skin Sensitization, Reproductive toxicity

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances:

None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

US STATE REGULATIONS:

US California Proposition 65: For more information go to www.P65Warnings.ca.gov

US New Jersey Worker and Community Right-to-Know Act:

Chemical Identity

Propane

Butane

US. Massachusetts RTK – Substance List: No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK – Hazardous Substances:

Chemical Identity

Propane

Butane

US. Rhode Island RTK: No ingredient regulated by RI Right-to-Know Law present.

INTERNATIONAL REGULATIONS:

Montreal protocol

Viable Bacterial Cultures

Stockholm convention

Viable Bacterial Cultures

Rotterdam convention

Viable Bacterial Cultures

Kyoto protocol**INVENTORY STATUS:**

Australia AICS	Not in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
Canada NDSL Inventory	Not in compliance with the inventory.
Ontario Inventory	Not in compliance with the inventory.
China Inv. Existing Chemical Substances	Not in compliance with the inventory.
Japan (ENCs) List	Not in compliance with the inventory.
Japan ISHL Listing	Not in compliance with the inventory.
Japan Pharmacopoeia Listing	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	Not in compliance with the inventory.
Mexico INSQ	Not in compliance with the inventory.
New Zealand Inventory of Chemicals	Not in compliance with the inventory.
Philippines PICCS	Not in compliance with the inventory.
Taiwan Chemical Substance Inventory	Not in compliance with the inventory.
US TSCA Inventory	On or in compliance with the inventory.
EINECS, ELINCS or NLP	Not in compliance with the inventory.

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.