

SDS FRESH-COIL-GB  
Issue 1, Version 3 Revised 30 September 2015

Total Pages: 6

# Fresh-Coil

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Fresh-Coil Green Foaming No Rinse Coil Cleaner

### 1.2 Relevant identified uses of the mixture and of the company

HVAC Coil Cleaner

### 1.3 Details of the supplier of the safety data sheet

DiversiTech UK Limited  
Glaisdale Drive East  
Nottingham  
NG8 4LY  
United Kingdom  
Tel: +44 1159005858  
Fax: +44 1159294468

### 1.4 Emergency telephone number

Emergency tel: 001+1813 248 0585, 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the mixture

#### GHS Classification:

Flammable aerosols Category 1

### 2.2 Label Elements:



**Signal Word** Danger!

#### Hazard Statement(s)

H222 Extremely flammable aerosol  
H229 Pressurized container: may burst if heated

#### Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P264 Wash thoroughly after handling.  
P330+312 IF SWALLOWED: Do not induce vomiting. Call your national POISON CENTRE information service or a doctor if you feel unwell.  
P330 Rinse mouth.  
P332+313 IF ON SKIN: Rinse with soap and water. Get medical attention if irritation persists.  
P304+340 IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing. Get medical attention if symptoms persist.  
P337 + 313 IF IN EYES: Rinse with water for several minutes. If eye irritation persists: Get medical attention.  
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F.

### 2.3 Other hazards

Workplace exposure limit: This product does not have a workplace exposure limit.

PBT: This product does not contain substances identified as PBT.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Add 3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% Or Range	GHS Classification	
Butane	106-97-8		2.5-10	H225: Highly flammable liquid and vapour H319: Causes serious Eye irritation H401: Toxic to aquatic life.	Category 2 Category 2A Category 2

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS (cont.)

INGREDIENT	CAS No.	EINECS No.	% Or Range	GHS Classification
Propane	74-98-6		1.2-5	H226: Flammable liquid and vapour Category 3 H336: May cause drowsiness or dizziness Category 3
Sodium nitrate	7632-00-0		0.1-1	H225: Highly flammable liquid and vapour Category 2 H332: Harmful if inhaled Category 4 H412: Harmful to aquatic Category 3
Non-hazardous components			90-100	

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Skin contact** - Wash skin with soap and water for at least 15 minutes if irritation develops or persists, get medical attention.

**Eye contact** - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing lifting lower and upper eyelids occasionally. If irritation persists, get medical attention.

**Ingestion** - Rinse mouth. Do not induce vomiting. Call your national POISON CENTRE information service or a doctor if you feel unwell.

**Inhalation** - Remove person to fresh air and keep comfortable for breathing. Get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

Harmful by inhalation and ingestion. Inhaling the product may have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Arrhythmia (deviation from normal heart beat). May cause drowsiness and dizziness.

Irritating to eyes and skin. There may be irritation and redness at the site of contact. Swallowing can cause gastro-intestinal irritation, nausea, vomiting and diarrhea. When ingested there may be soreness and redness of the mouth and throat.

### 4.3 Indication of any immediate attention and special treatment needed

Provide general supportive measures and treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire. Use suitable extinguishing media.

### 5.2 Special hazards arising from the substance or mixture

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

### 5.3 Advice 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.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. Extremely flammable aerosol.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### 6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

### 6.3 Methods and material for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

### 6.4 Reference to other sections

Please refer to Section 8 for details on protective wear.

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## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Level 1 Aerosol.

### 7.2 Condition for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).

### 7.3 Specific end use(s)

No further details

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> 1000 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup> 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000 ppm

### 8.2 Exposure controls

No biological exposure limits noted for the ingredient(s). Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection:**

**Hand protection:** Wear appropriate chemical resistant gloves.

**Other:** Wear suitable protective clothing.

**Respiratory protection:** If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Aerosol gas
<b>Odor:</b>	No data available
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	8.5 - 9.5 estimated
<b>Melting Point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	212 °F (100 °C) estimated
<b>Flash Point:</b>	-156.0 °F (-104.4 °C) Propellant estimated
<b>Evaporation Rate (Water = 1):</b>	No data available
<b>Flammable Limits:</b>	No data available
<b>Vapor pressure:</b>	55 psig @70F estimated
<b>Vapor Density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (cont.)

<b>Specific gravity:</b>	0.928 estimated
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidising properties:</b>	No data available

### 9.2 Other information

No further details

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### 10.2 Chemical stability

Material is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

### 10.4 Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Potential health effects:

**11.1.1 Acute Toxicity:** No data available.

**11.1.2 Oral toxicity:** Expected to be a low ingestion hazard.

**11.1.3 Irritation:** Direct contact with eyes may cause temporary irritation.

**11.1.4 Corrosive:** Non-Corrosive.

**11.1.5 Sensitisation:** Not expected to be a sensitizer.

**11.1.6 Repeated dose toxicity:** No data available.

**11.1.7 Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**11.1.8 Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**11.1.9 Toxicity for reproduction:** Not expected to be toxic for reproduction.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

No data is available on the degradability of this product.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This product does not contain substances identified as PBT.

### 12.6 Other adverse effects

Toxic to aquatic organisms. Toxic to soil organisms.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Disposal operations** - Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used regulations.

**Disposal of packaging** - Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Please follow all local, regional, national and international laws.

## SECTION 14. TRANSPORTATION INFORMATION

### 14.1 UN number

UN 1950

### 14.2 UN proper shipping name

Aerosols, flammable

### 14.3 Transport hazard class(es)

2.1

### 14.4 Packing group

Not available

### 14.5 Environmental hazards

Not Environmentally Hazardous Substance

### 14.6 Special precautions for user

Read safety instructions, SDS and emergency procedures before handling.

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Packing exceptions:** N82

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

### MODE-SPECIFIC INFORMATION:

ROAD/RAIL (ADR/RID/CDG)	Transport category 2 Tunnel restriction code D
SEA (IMDG)	UN 1950 Aersols EmS: F-D S-U Not a marine pollutant
AIR (ICAO/IATA)	ERG Code 10

Aerosol capacity less than 1 litre can be carried under the Limited Quantities provisions of all carriage modes.

## SECTION 15. REGULATORY INFORMATION

### 15.1 Chemical safety assessment

A chemical safety assessment has not been conducted.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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## SECTION 16. OTHER INFORMATION

### Other information

This safety data sheet is prepared in accordance with Regulation (EU) No 453/2010.

**Revision Summary:** All Sections: New GHS Format

### Abbreviations:

UN Model Regulations means the Model Regulations annexed to the most recently revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations.

IMDG Code means the International Maritime Dangerous Goods code, as amended.

ADR means the European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID means the Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN means the European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways, as amended.

### Sources of Key Data:

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU Directives: Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. British

Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

National Regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

Classification and Labelling Guidance: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 2

Precautionary Statement and Pictograms: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 3

Guidance on the Preparation of Safety Data Sheets: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 4

### IMPORTANT:

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