

MSDS Information

Section 1. CHEMICAL PRODUCT SECTION

Product Name: FOAMING EVAPORATOR CLEANER
Product: #5914
Date Prepared: 01-2009

Manufacturer: FJC

P. O. Box 499
101 Commercial Drive
 Mooresville, NC 28115
PH: 704-664-3587
FAX: 704-664-5522

For Chemical Emergency

Call INFOTRAC – 24 Hour Number
1-800-535-5053
Outside of United States
Call 24 Hour Number
1-352-323-3500

Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient (s)	CAS Number	% by Wgt	OSHA PEL (ppm)	AGGIH TLV(ppm)	Vapor Pressure (mm)
Propane	74-98-6	2	1000	2500	760
Butane	106-97-8	3	800	800	760
2-Butoxyethonal	111-76-2	2	25	20	.88
2-(2-Ethoxyethoxy) ethanol	111-90-0	2	Not listed	Not listed	.13

Section 3. HAZARD IDENTIFICATION

Routes of Exposure: Inhalation of vapor or spray mist. Eye or skin Contact with the product, vapor, or spray mist.

Eyes:

Irritation

Skin:

Prolonged or repeated exposure may cause irritation.

Inhalation:

Irritation of the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and blood forming systems.

Signs & Symptoms of Overexposure:

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Medical Conditions Generally Aggravated by Exposure

None generally recognized

Other Precautions &/or Special Hazards

KEEP OUT OF REACH OF CHILDREN

Avoid food contamination

Avoid Breathing vapors

Remove ignition sources

Cancer Information:

For complete discussion of toxicology data refer to Section 11.

HMIS Codes:

Health: 2

Flammability: 0

Reactivity: 0

Section 4:

FIRST AID MEASURES

Eyes:

Flush eyes with large amounts of water for 15 minutes. Get medical attention.

Skin:

Wash affected area thoroughly with soap & water. Remove contaminated clothing and launder before reuse. If irritated, seek medical attention.

Ingestion:

DO NOT INDUCE VOMITING. Get medical attention immediately.

Inhalation:

If affected, remove from exposure. Restore breathing. Keep warm & quite. Get medical attention immediately.

Section 5.**FIRE FIGHTING MEASURES**

Flash Point	LEL	UEL
Propellant <0°F	1.1	23.5

Extinguishing Media

Carbon Dioxide, Dry Chemical, Alcohol Foam

Unusual Fire & Explosion Hazards

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Special Fire Fighting Procedures

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6**ACCIDENTAL RELEASE MEASURES****Steps to be taken in case Material is Released or Spilled**

Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

Section 7**HANDLING AND STORAGE****Storage Category**

Not Available

Precautions to be taken in handling and storage

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated – Do not smoke – Extinguish all flames, pilot lights, and heaters – Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

Section 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Precautions to be taken in use

Use only with adequate ventilation. Avoid contact with skin & eyes. Avoid breathing vapor spray mist. Wash hands after using.

Ventilation

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

Respiratory Protection

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

Protective Gloves

None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Eye Protection

Wear safety spectacles with unperforated sideshields.

Other Precautions

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9**PHYSICAL AND CHEMICAL PROPERTIES**

Product Weight

8.05 lb/gal 964 g/l

Specific Gravity

0.97

Boiling Point

<0° - 396°F <-18° - 202°C

Melting Point

Not Available

Volatile Volume

97 %

Evaporation Rate

Faster than ether

Vapor Density

Heavier than air

Solubility in water

N.A.

pH

13.0

Volatile Organic Compounds (VOC Theoretical – as packaged)

Volatile Weight 9.23% Less water and federally exempt solvents

Section 10

STABILITY AND REACTIVITY

Hazardous Polymerization

Will not occur

Hazardous Decomposition

By Fire: Carbon Dioxide, Carbon Monoxide

Chemical Stability

Stable

Incompatibility

None known

Conditions to avoid

None known

Section 11**TOXICOLOGICAL INFORMATION**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Reports have associated repeated and prolonged overexposure to solvents with permanent brain & nervous system damage.

Toxicology Data

CAS No.

Ingredient Name

74-98-6

Propane

LC50 Rat 4HR Not available

LD50 Rat Not available

106-97-8

Butane

LC50 Rat 4HR Not available

LD50 Rat Not available

111-76-2

2-Butoxyethanol

LC50 Rat 4HR Not available

LD50 Rat 470 mg/kg

11-90-0

2-(2-Ethoxyethoxy)-ethanol

LC50 Rat 4HR Not available

LD50 Rat 5500 mg/kg

Section 12**ECOLOGICAL INFORMATION**

No data available

Section 13**DISPOSAL CONSIDERATION**

Waste Disposal Method

Waste from this product may be hazardous as defined under the Resource conservation and Recover Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and corrosivity to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14**TRANSPORTATION INFORMATION**

Container: 20 ounce capacity tin plated aerosol can – filled to 18 ounces

US DOT Information:

Shipping Name: Consumer Commodity
Product Label: Aerosol
DOT Hazard Class: ORM-D
UN/NA #: NA

ICAO/IATA

Shipping Name: Aerosol
Shipping Class: 2.2
UN/NA #: UN1950
Exceptions: Can qualify for limited quantity under special provisions

IMDG

Shipping Name: Aerosol
Shipping Class: 2.2
UN/NA#: UN1950
Exceptions: Can qualify for limited quantity under special provisions

Other Transportation Information

The Transport Information may vary with the container and mode of shipment.

Section 15

REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) Supplier Notification

CAS No.	Chemical/Compound	% by WT	% Element

	Glycol Ethers	4	

California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

TSCA Certification

All chemicals in this product are listed or are exempt from listing on the TSCA Inventory.

CPR

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

To the best of our knowledge, the information contained herein is accurate. **However, neither FJC nor any of its subsidiaries assumes any liability whatsoever 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 hazards which exist.