



## 1. CHEMICAL IDENTIFICATION

**PRODUCT:** C-Foam  
**GENERAL DESCRIPTION:** Foaming Agent  
**CHEMICAL FAMILY:** Blend  
**REVISION DATE:** June 1, 2018  
**PRIMARY HAZARD:** May Cause Irritation

## 2. HAZARDOUS INGREDIENTS

Causes skin irritation.  
Causes eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.



**DANGER**

## PREVENTION

Do not get in eyes, on skin, or on clothing.  
Wear protective gloves/protective clothing/eye protection/face protection.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.  
Store in a closed container.

## DISPOSAL

Dispose of contents / container in accordance with local / national regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Isopropyl Alcohol CAS Number: 0000067-63-0	1.0 - 10	Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. [1] Substance classified with a health or environmental hazard. [2] Substance with a workplace exposure limit. [3] PBT-substance or vPvB-substance. \*The full texts of the phrases are shown in Section 16.

## 4. FIRST AID INFORMATION

### 4.1. DESCRIPTION OF FIRST AID MEASURES

**GENERAL** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**INHALATION** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**EYES** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**SKIN** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

**INGESTION** Do not induce vomiting. Get medical attention immediately. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never give anything by mouth to an unconscious person.



## 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

### OVERVIEW

<b>EYES</b>	May cause eye injury that may persist for several days. Get immediate medical attention.
<b>SKIN</b>	May cause irritation with prolonged contact. Methanol is a cumulative toxin readily absorbed.
<b>INGESTION</b>	Not a likely route of exposure. Effects may be nausea, headache, abdominal pain, vomiting, mental sluggishness, and visual disturbances ranging from blurred vision to light sensitivity.
<b>INHALATION</b>	Inhalation of high airborne concentrations can irritate mucous membranes, cause headaches, sleepiness, nausea, confusion, loss of consciousness, digestive, and visual disturbances. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

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## 5. FIRE-FIGHTING MEASURES

### 5.1. EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous decomposition: Oxides of carbon

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

### 5.3. ADVICE FOR FIRE-FIGHTERS

Fire & Explosion Hazard: Do not use or store near ignition source.

Special: Wear full bunker gear including a positive pressure self-contained breathing apparatus in any enclosed space. May evolve oxides of carbon (COx) under fire conditions.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit before re-entering.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Release can result in immediate fire hazard. Eliminate all ignition sources. Ventilate area if possible. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.



## 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

A static charge can accumulate when this material is flowing through pipes, nozzles, or filters. Wear impervious gloves. Use goggles or face shield if splashing is likely. Chemical type apron recommended. Avoid breathing vapors. Avoid prolonged or repeated contact with skin. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Keep containers closed when not in use.

See section 2 for further details. - [Prevention]:

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Oxidizing agents.

Keep away from heat and flame. Store in a cool place away from ignition. Use with adequate ventilation.

See section 2 for further details. - [Storage]:

### 7.3. SPECIFIC END USE(S)

No data available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

Exposure

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	TWA 400 ppm (980 mg/m <sup>3</sup> ) STEL 500 ppm
		ACGIH	TWA: 200 ppm STEL: 400 ppm Revised 2003,
		NIOSH	TWA 400 ppm (980 mg/m <sup>3</sup> ) ST 500 ppm (1225 mg/m <sup>3</sup> )
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-63-0	Isopropyl Alcohol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;

### 8.2. EXPOSURE CONTROLS

#### RESPIRATORY

When concentrations exceed exposure limits specified, use of NIOSH approved organic vapor cartridge respirator is recommended.

#### EYES

Use goggles or face shield if splashing is likely.

#### SKIN

Use long-sleeved fire-retardant garments while working with flammable liquids.

#### ENGINEERING CONTROLS

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### OTHER WORK PRACTICES

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear Amber Liquid
ODOR THRESHOLD	Not Measured
pH	Not Measured
MELTING POINT / FREEZING POINT	Not Measured
INITIAL BOILING POINT AND BOILING RANGE	Not Measured
FLASH POINT	>212F (100C)
EVAPORATION RATE (ETHER = 1)	Not Measured
FLAMMABILITY (SOLID, GAS)	Not Applicable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	<b>LOWER EXPLOSIVE LIMIT:</b> Not Measured <b>UPPER EXPLOSIVE LIMIT:</b> Not Measured
VAPOR PRESSURE (PA)	Not Measured
VAPOR DENSITY	Not Measured
SPECIFIC GRAVITY	1.01
SOLUBILITY IN WATER	Complete
PARTITION COEFFICIENT N-OCTANOL/WATER (LOG KOW)	Not Measured
AUTO-IGNITION TEMPERATURE	Not Measured
DECOMPOSITION TEMPERATURE	Not Measured
VISCOSITY (cSt)	Not Measured
DENSITY (lbs/gal)	8.30-8.37

### 9.2. OTHER INFORMATION

No other relevant information.

## 10. STABILITY AND REACTIVITY

10.1. REACTIVITY	Hazardous Polymerization will not occur.
10.2. CHEMICAL STABILITY	Stable under normal circumstances.
10.3. POSSIBILITY OF HAZARDOUS REACTIONS	No data available.
10.4. CONDITIONS TO AVOID	Avoid heat, sparks and open flame.
10.5. INCOMPATIBLE MATERIALS	Oxidizing agents.
10.6. HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/ Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available	No data available



Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. ECOLOGICAL INFORMATION

### 12.1. TOXICITY

No additional information provided for this product. See Section 3 for chemical specific data.

### AQUATIC ECOTOXICITY

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna	100.00 (72 hr), Scenedesmus subspicatus

### 12.2. PERSISTENCE AND DEGRADABILITY

### 12.3. BIOACCUMULATIVE POTENTIAL

### 12.4. MOBILITY IN SOIL

### 12.5. RESULTS OF PBT AND vPvB ASSESSMENT

### 12.6. OTHER ADVERSE EFFECTS

There is no data available on the preparation itself.

Not Measured

No data available.

This product contains no PBT/vPvB chemicals.

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

Observe all federal, state and local regulations when disposing of this substance.

## 14. TRANSPORT INFORMATION

DOT/TDG SHIP NAME:

None

DRUM LABEL:

None

IATA / ICAO:

None

IMO / IMDG:

None

EMERGENCY RESPONSE GUIDEBOOK NUMBER:

None



## 15. REGULATORY INFORMATION

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification** B2

**US EPA Tier II Hazards**

**Fire:** Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): No

Delayed (Chronic): No

### **EPCRA 311/312 Chemicals and RQs:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **EPCRA 313 Toxic Chemicals:**

Isopropyl Alcohol

### **Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### **New Jersey RTK Substances (>1%):**

Isopropyl Alcohol

### **Pennsylvania RTK Substances (>1%):**

Isopropyl Alcohol

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## 16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

### **SPECIAL NOTICE**

The information in this SDS pertains only to the product as shipped. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.