



**INNOVATIVE  
CHEMICAL  
CORPORATION**

7769 95th Street South  
Cottage Grove, MN 55016

## SAFETY DATA SHEET

**Revision Date:** 6/25/2015

**Emergency Phone:** 1-800-535-5053 (Infotrac)

### Section 1: Identification

**Product Name:** Freezer Cleaner

**Code:** 98PFC00

**Chemical Type:** Liquid

**Manufacturer/Supplier:**

Innovative Chemical Corporation  
7769 95th Street South  
Cottage Grove, MN 55016  
651-649-1762

### Section 2: Hazard(s) Identification

#### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Classification of the substance or mixture:

Eye Damage/Eye Irritation - Category 2A  
Flammable liquid - Category 3

#### Label elements

**Signal words:** Danger

**Hazard statements:**

Causes skin and eye damage.  
Flammable.



#### Precautionary Statements

**Prevention:** Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.

**Response: IF SWALLOWED:** Rinse out mouth. Do not induce vomiting. Call a poison control center if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice. **IF ON SKIN OR HAIR:** Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a poison control center or doctor for treatment advice if irritation persists. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice.

**Storage:** Store locked up.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not otherwise classified:** None known.

### Section 3: Composition/Information on Ingredients

**Substance or mixture:** Mixture

**Other means of identification:** Not available.

#### CAS number/other identifiers

**CAS number:** Not applicable.

Hazardous Components		
Chemical Name	%weight	CAS
Ethylene Glycol Butyl Ether	3-8	111-76-2
Isopropyl Alcohol	1-5	67-63-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational limits, if available are listed in Section 8.

### Section 4: First-Aid Measures

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

<b>Eye contact</b>	Causes serious eye damage.
<b>Inhalation</b>	Can cause central nervous system depression. May cause drowsiness and dizziness.
<b>Skin contact</b>	Causes severe burns.
<b>Ingestion</b>	Can cause central nervous system depression. Irritating to mouth, throat and stomach.

##### Over-exposure signs/symptoms

<b>Eye contact</b>	Adverse symptoms may include: pain, watering, redness.
<b>Inhalation</b>	Adverse symptoms may include: respiratory tract irritation, coughing, nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.
<b>Skin contact</b>	Adverse symptoms may include: pain or irritation, redness, blistering may occur.
<b>Ingestion</b>	Adverse symptoms may include: stomach pains.

#### Indication of any immediate medical attention needed

<b>Notes to Physician</b>	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Specific treatment</b>	No specific treatment.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

### Section 5: Fire-Fighting Measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, foam or water fog
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<b>Unsuitable extinguishing media</b>	Do not use water jet
<b>Specific hazards arising from the chemical</b>	In a fire or if heated, a pressure increase will occur and the container may burst. Highly flammable liquid and vapor.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides.
<b>Protective actions for fire-fighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non- emergency personnel".
<b>Environmental precautions</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

<b>Small spill</b>	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large spill</b>	Stop leak if without risk. Move containers from spill area. Approach release upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and section 13 for waste disposal.

## Section 7: Handling and Storage

### Precautions for safe handling

<b>Protective measures</b>	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	Eating, drinking and smoking should be prohibited in areas where this material is handled, stores and processed. Workers should wash hands and face before eating,

	drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.
<b>Conditions for safe storage including any incompatibilities</b>	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Ethylene Glycol Butyl Ether I	<b>OSHA PEL</b> 240 mg/m <sub>3</sub> (TWA)
Isopropyl Alcohol	<b>ACGIH TLV</b> 20 ppm (TWA) <b>ACGIH TLV (United States, 3/2012).</b> TWA: 200 ppm 8 hours. STEL: 400 ppm 15 minutes. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 400 ppm 8 hours TWA: 980 mg/m <sub>3</sub> 8 hours STEL: 500 ppm 15 minutes STEL: 1225 mg/m 15 minutes <b>NIOSH REL (United States, 1/2013)</b> TWA: 400 ppm 10 hours TWA: 980 mg/m <sub>3</sub> 10 hours STEL: 500 ppm 15 minutes STEL: 1225 mg/m <sub>3</sub> 15 minutes <b>OSHA PEL (United States, 6/2010)</b> TWA: 400 ppm 8 hours TWA: 980 mg/m <sub>3</sub> 8 hours

<b>Appropriate engineering controls</b>	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Environmental exposure controls</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

<b>Hygiene measures</b>	<p>Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.</p> <p>Appropriate technique should be used to remove potentially contaminated clothing.</p>
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	Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation.
<b>Respiratory</b>	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Eyes/Face</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: splash goggles or face shield.
<b>Hands</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Recommended: rubber gloves and a long sleeved shirt.
<b>Skin/Body</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Section 9: Physical and Chemical Properties

<b>Physical state</b>	Liquid
<b>Color</b>	Blue
<b>Odor</b>	None Added
<b>Odor threshold</b>	Not available
<b>pH</b>	11
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Flash Point</b>	Closed cup: Closed cup: 11.7°C (53.1°F)
<b>Evaporation rate</b>	1.7
<b>Flammability (solid, gas)</b>	Not available
<b>Lower and upper explosive (flammable) limits</b>	Lower= 2%, Upper = 12%.
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility</b>	Not available
<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	456°C (852.8°F)
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available

## Section 10: Stability and Reactivity

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability:** Stable

**Possibility of hazardous reactions:** Under normal conditions, hazardous reactions will not occur.

**Conditions to avoid:** Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible materials:** Strong oxidizers, bases and acids.

**Hazardous decomposition products:** None are expected under normal storage and usage conditions.

## Section 11: Toxicological Information

### Acute toxicity

Ingredient name	Result	Species	Dose	Exposure
Ethylene Glycol Butyl Ether	LD50 Oral	Rat	1746 mg/kg	-
Isopropyl Alcohol	LC50 Inhalation Gas	Rat	45248 ppm	-
	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-

### Irritation/Corrosion

Ingredient name	Result	Species	Score	Exposure	Observation
Isopropyl Alcohol	Eyes- Moderate irritant	Rabbit	-	25 hrs 100 mg	-
	Eyes- Moderate irritant	Rabbit	-	10 mg	-
sodium hydroxide	Eyes- Severe irritant	Rabbit	-	100 mg	-
	Skin- Mild irritant	Rabbit	-	500 mg	-

### Sensitization

Not available

### Mutagenicity

Not available

### Carcinogenicity

Not available

### Classification

Ingredient name	OSHA	IARC	NTP
Isopropyl Alcohol	-	3	-

### Reproductive toxicity

Not available

### Teratogenicity

Not available

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Isopropyl Alcohol	Category 3	Not applicable	Narcotic effects

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available

**Information on the likely routes of exposure**

Routes of entry anticipated: Eyes, Dermal, Ingestion, Inhalation.

**Potential acute health effects**

<b>Eye contact</b>	Irritation or pain, redness and watering.
<b>Inhalation</b>	Can cause central nervous system depression. May cause drowsiness and dizziness.
<b>Skin contact</b>	Irritation or pain and redness.
<b>Ingestion</b>	Can cause central nervous system depression. Irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Eye contact</b>	Adverse symptoms may include: pain, watering, redness
<b>Inhalation</b>	Adverse symptoms may include: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness
<b>Skin contact</b>	Adverse symptoms may include: pain or irritation, redness, blistering may occur
<b>Ingestion</b>	Adverse symptoms may include: stomach pains

**Delayed and immediate effects and chronic effects from short and long term exposure****Short term exposure****Potential immediate effects:** Not available.**Potential delayed effects:** Not available.**Long term exposure****Potential immediate effects:** Not available.**Potential delayed effects:** Not available.**Potential chronic health effects**

Not available

**General:** No known significant effects or critical hazards.**Carcinogenicity:** No known significant effects or critical hazards.**Mutagenicity:** No known significant effects or critical hazards.**Teratogenicity:** No known significant effects or critical hazards.**Developmental effects:** No known significant effects or critical hazards.**Fertility effects:** No known significant effects or critical hazards.**Numerical measures of toxicity****Acute toxicity estimates**

Not available

**Toxicity**

Ingredient name	Result	Species	Exposure
Isopropyl Alcohol	Acute LC50 1400000 to 1950000 µg/l	Crustaceans - Crangon crangon	48 hrs
	Marine water		48 hrs
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hrs

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Isopropyl Alcohol	0.05	-	low

**Mobility in soil****Soil/water partition coefficient (K<sub>oc</sub>):** Not available**Other adverse effects:** No known significant effects or critical hazards.**Section 13: Disposal considerations****Waste disposal**

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through a normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

**Section 14: Transport information**

Regulatory info	UN number	Proper shipping name	Classes	PG	Environmental hazards	Additional info
DOT Classification	Not regulated	-	3	II	No	-
TDG Classification	Not regulated	-	3	II	No	-
Mexico Classification	Not regulated	-	3	II	No	-
ADR/RID Class	Not regulated	-	3	II	No	-
IMDG Class	Not regulated	-	3	II	No	-
IATA-DGR Class	Not regulated	-	3	II	No	-

**Special precautions for user:** Transport within user's premises: always transport in closed containers that are



upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available

### Section 15: Regulatory information

**U.S. Federal regulations** TSCA 8(a) CDR Exempt/Partial exemption: Not determined

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** Not listed

**Clean Air Act Section 602 Class I Substances** Not Listed

**Clean Air Act Section 602 Class II Substances** Not Listed

**DEA List I Chemicals (Precursor Chemicals)** Not Listed

**DEA List II Chemicals (Essential Chemicals)** Not Listed

#### SARA 302/304

##### Composition/information on ingredients

No products were found

#### SARA 304 RQ

Not applicable

#### SARA 311/312

**Classification** Fire hazard, Immediate (acute) health hazard

##### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Isopropyl Alcohol	1-5	Yes	No	No	Yes	No

#### SARA 313

	Product name	Cas number	%
<b>Form R-Reporting Requirements</b>	Ethylene Glycol Butyl Ether	111-76-2	3-8
	Isopropyl Alcohol	67-63-0	1-5
<b>Supplier notification</b>	Ethylene Glycol Butyl Ether	111-76-2	3-8

Isopropyl Alcohol

67=63-0

1-5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

## State regulations

**Massachusetts:** The following components are listed: Isopropyl Alcohol

**New York:** No materials listed

**New Jersey:** The following components are listed: Isopropyl Alcohol

**Pennsylvania:** The following components are listed: Isopropyl Alcohol

## International regulations

### Chemical Weapon Convention List Schedules I, II & III Chemicals

Ingredient name	List name	Status
Triethanolamine	Schedule III	Listed

### Montreal Protocol (Annexes A, B, C, E)

Not listed

### Stockholm Convention on Persistent Organic Pollutants

Not listed

### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed

### International lists:

**Australia:** All components are listed or exempted.

**Canada:** All components are listed or exempted.

**China:** All components are listed or exempted.

**Europe:** All components are listed or exempted.

**Japan:** All components are listed or exempted.

**Malaysia:** Not determined

**Korea:** All components are listed or exempted.

**New Zealand:** All components are listed or exempted.

**Philippines:** All components are listed or exempted.

**Taiwan:** Not determined

## Section 16: Other information

### Hazardous Material

#### Information System (U.S.A.):

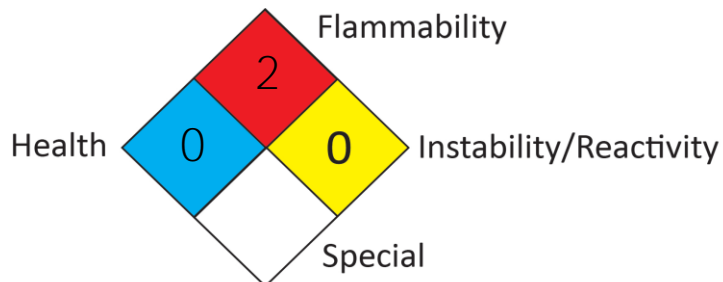
Health	0
Flammability	2
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing hazards or risks, and 4 representing

significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection  
Association:



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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, 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 that exist