



**Chemical Name:** Cold Stuff

**Manufacturer:** Lawson

**Container size:** 12oz.

**Location:** VLA

**Disposal:** Place empty container in trash.



# Material Safety Data Sheet

Revision Date 21-Jan-2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 98953  
**Product name** Cold Stuff - Component Chiller  
**Recommended Use** Electronic maintenance

**Supplier** Lawson Products, Inc.  
1666 East Touhy Avenue  
Des Plaines, IL 60018  
(847)-827-9666

**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Vapors irritating to eyes and respiratory tract. Irritating to skin.

**Color** Clear

**Odor** Ether-like

**Form** Aerosol

**Aggravated Medical Conditions** Increased sensitivity to Epinephrine.

**Principal Routes of Exposure** Inhalation. Skin contact.

### Potential health effects

**Eyes** Extreme overexposure may cause. Irritation. Redness. Tearing. Blurred vision.

**Skin** Extreme overexposure may cause. Moderate irritation. Dermatitis.

**Inhalation** Extreme overexposure may cause. Nasal irritation. Respiratory irritation. Dizziness. Headaches. Nausea. Possible unconsciousness. Possible asphyxiation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Chlorodifluoromethane/chloropentafluoroethane mixture	75-45-6	60-100

## 4. FIRST AID MEASURES

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<b>Eye contact</b>	Wash off with plenty of water.
<b>Skin contact</b>	Wash off immediately with plenty of water. Treat burned or frostbitten skin by flushing or immersing affected areas in lukewarm water. If skin is not burned, keep area warm and stimulate circulation with gentle massage. .
<b>Ingestion</b>	In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. Do not induce vomiting.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	None
<b>Flash point °F</b>	None
<b>Method</b>	Open cup
<b>Autoignition temperature °C</b>	Not Applicable
<b>Autoignition temperature °F</b>	Not Applicable
<b><u>Flammability Limits (% in Air)</u></b>	
<b>Upper</b>	Not Applicable
<b>Lower</b>	Not Applicable

### **Suitable extinguishing media**

Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

### **Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### **Fire and Explosion Hazards**

Aerosol containers may vent, rupture or burst when heated to temperatures above 120°F. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

### **Sensitivity to shock**

No information available.

### **Sensitivity to static discharge**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions**

Avoid breathing of vapors.

### **Methods for cleaning up**

Eliminate all sources of ignition. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

## 7. HANDLING AND STORAGE

### **Handling**

Avoid contact with skin and eyes. Thoroughly wash hands and exposed skin after handling. Smoke in **SMOKING AREAS ONLY**. For industrial and institutional use only. Do not take internally.

**Storage**

Keep tightly closed in a dry and cool place. Keep away from heat and sources of ignition. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Chlorodifluoromethane/ chloropentafluoroethane mixture	-	-	1000 ppm	-

**Ventilation and Environmental Controls**

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Personal protective equipment****Respiratory protection**

Avoid breathing concentrated vapors or particles from all products not specifically designed to be inhaled.

**Hand Protection**

Gloves are recommended to prevent prolonged or repeated contact.

**Eye protection**

Use safety eyewear designed to protect against splash of liquids.

**Skin and body protection**

Impervious clothing.

**Other Protective Equipment**

A safety shower and eye wash station should be available for emergency use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Aerosol	<b>Color</b>	Clear
<b>Odor</b>	Ether-like	<b>Odor Threshold</b>	No information available
<b>pH</b>	Not Applicable	<b>Specific Gravity</b>	1.19
<b>Vapor pressure</b>	No data available	<b>Vapor density</b>	>1 (Air = 1)
<b>Evaporation Rate</b>	>1 (Ether =1)	<b>VOC Content</b>	0%
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Boiling point/range °C</b>	-40.78	<b>Boiling point/range °F</b>	-41.4
<b>Melting point/range °C</b>	No data available	<b>Melting point/range °F</b>	No data available
<b>Flash point °C</b>	None	<b>Flash point °F</b>	None

## 10. STABILITY AND REACTIVITY

**Stability**

Stable.

**Conditions to avoid**

Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame. Do not puncture, incinerate or expose to temperatures above 120 degrees F.

**Incompatibility**

Alkalis. Alkali metals. Powdered aluminum. Beryllium. Zinc.

**Hazardous Decomposition Products**

Hydrochloric acid. Hydrofluoric acid. carbonyl halides.

**Polymerization**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Chlorodifluoromethane/chloro pentafluoroethane mixture 75-45-6	220000 ppm	220000 ppm	220000 ppm

**Synergistic Products**

None known

**Potential health effects****Sensitization**

None known

**Chronic toxicity**

None known

**Mutagenic effects**

None known

**Teratogenic effects**

None known

**Reproductive toxicity**

None known

**Target Organ Effects**

See Section 2

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Chlorodifluoromethane/chloro pentafluoroethane mixture	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

No Information Available

## 13. DISPOSAL CONSIDERATIONS

### Disposal Information

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate.

### Waste from residues / unused products

No information available

## 14. TRANSPORT INFORMATION

### DOT

Not Regulated

### TDG

Not Regulated

### IMDG/IMO

Not Regulated

### IATA

Not Regulated

### MEX

Not Regulated

## 15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Chlorodifluoromethane/chloropentafluoroethane mixture	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Chlorodifluoromethane/chloropentafluoroethane mixture	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Chlorodifluoromethane/chloropentafluoroethane mixture	X	X	-	X

**CPRC**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

<b>NFPA</b>		<b>HMIS</b>	
<b>Health</b>	-	<b>Health</b>	1
<b>Flammability</b>	-	<b>Flammability</b>	0
<b>Reactivity</b>	-	<b>Physical Hazard</b>	1

**Prepared By**

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.