



# Material Safety Data Sheet

Revision Date 24-Oct-2007

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 81765  
**Product name** Cool-It  
**Recommended Use** Solvent  
**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

Flammable. Irritant. Harmful if swallowed.

**Color** Colorless

**Odor** Solvent

**Form** Aerosol

**Aggravated Medical Conditions** None Known.

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

### Potential health effects

**Eyes** May cause the following effects: Irritation. Redness. Itching. Burning sensation.

**Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

**Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**Ingestion** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Butane	106-97-8	7-13
Propane	74-98-6	7-13
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	10-30
Heptane (n-)	142-82-5	30-60
Petroleum distillates, solvent-refined heavy naphthenic	64741-96-4	3-7
Toluene	108-88-3	0.5-1.5

### 4. FIRST AID MEASURES

<b>Eye contact</b>	Flush with plenty of water for at least 15 minutes. Seek medical attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Ingestion</b>	Do not induce vomiting. Immediate medical attention is required.
<b>Inhalation</b>	Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.
<b>Notes to physician</b>	Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

### 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	< -17
<b>Flash point °F</b>	< 0
<b>Method</b>	No information available
<b>Autoignition temperature °C</b>	No data available
<b>Autoignition temperature °F</b>	No data available
<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	9.5
<b>Lower</b>	1.0

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

#### **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**

Keep product and empty container away from heat and sources of ignition. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. In the event of fire and/or explosion do not breathe fumes. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

**6. ACCIDENTAL RELEASE MEASURES****Methods for cleaning up**

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE****Handling**

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

**Storage**

Store in temperatures below 120 degrees F. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure limits**

<b>Chemical Name</b>	<b>OSHA PEL (TWA)</b>	<b>OSHA PEL (Ceiling)</b>	<b>ACGIH OEL (TWA)</b>	<b>ACGIH OEL (STEL)</b>
Heptane (n-)	2000 mg/m <sup>3</sup> 500 ppm	-	400 ppm	500 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Butane	800 ppm	-	1000 ppm	-
Petroleum distillates, solvent-refined heavy naphthenic	-	-	-	-
Toluene	200 ppm	300 ppm	50 ppm	-

### **Ventilation and Environmental Controls**

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area. General: as necessary.

### **Hygiene measures**

Wash hands before breaks and immediately after handling the product.

### **Other precautions**

Avoid contact with the skin and the eyes Avoid breathing vapors or mists

### **Personal protective equipment**

#### **Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

#### **Hand Protection**

Gloves are not required in normal use. For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

#### **Eye protection**

Wear safety glasses with side shields.

#### **Skin and body protection**

None necessary under normal conditions

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Form</b>	Aerosol	<b>Color</b>	Colorless
<b>Odor</b>	Solvent	<b>Odor Threshold</b>	No information available
<b>pH</b>	Not Applicable	<b>Specific Gravity</b>	0.69
<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>	70%
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	No data available
		<b>Boiling point/range °C</b>	< -18 - 114
<b>Boiling point/range °F</b>	< 0 - 238	<b>Melting point/range °C</b>	No data available
<b>Melting point/range °F</b>	No data available	<b>Flash point °C</b>	< -17
<b>Flash point °F</b>	< 0		

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

None known.

### Incompatibility

None.

### Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

### Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Heptane (n-)</i> 142-82-5	-	-	103 g/m <sup>3</sup>
<i>Petroleum distillates, hydrotreated heavy naphthenic</i> 64742-52-5	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>Propane</i> 74-98-6	-	658 mg/kg	-
<i>Butane</i> 106-97-8	-	-	658 g/m <sup>3</sup>
<i>Petroleum distillates, solvent-refined heavy naphthenic</i> 64741-96-4	5000 mg/kg	2000 mg/kg	2.18 mg/L
<i>Toluene</i> 108-88-3	636 mg/kg	8390 mg/kg	12.5 mg/L 26700 ppm

**Synergistic Products**

None known

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

None known

**Mutagenic effects**

None known

**Reproductive toxicity**

May cause adverse reproductive effects.

**Chronic toxicity**

See Section 2 . Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

**Teratogenic effects**

None known

**Target Organ Effects**Long term exposure to vapor may cause liver damage.  
Long term exposure to vapor may cause kidney damage.  
Urinary system.**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Heptane (n-)	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, solvent-refined heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Toluene	Listed	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data**

water flea EC50=11.3 mg/L (48 h)

water flea EC50=310 mg/L (48 h)

## 13. DISPOSAL CONSIDERATIONS

**Disposal Information**

As supplied, this product is a RCRA Hazardous Waste . Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal.

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

**14. TRANSPORT INFORMATION****DOT**

UN1950 Aerosols, flammable, (Propane/Butane), Class 2.1

*Exception:* (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D**TDG**

UN1950 AEROSOLS(Propane/Butane), Class 2.1 Consumer commodity &lt;1L

**IMDG/IMO**

UN1950 AEROSOLS(Propane/Butane), Class 2.1

**IATA**

UN1950 Aerosols, flammable (Propane/Butane), Class 2.1

**MEX**

UN1950 AEROSOLE(S)(Propano/Butano),2.1

**15. REGULATORY INFORMATION**

<b>Chemical Name</b>	<b>US EPA SARA 313 Emission Reporting</b>
Toluene	Listed

<b>Chemical Name</b>	<b>New Jersey - RTK</b>	<b>Pennsylvania - RTK</b>	<b>California Prop. 65</b>
Heptane (n-)	Listed	Listed	Not Listed
Petroleum distillates, hydrotreated heavy naphthenic	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Petroleum distillates, solvent-refined heavy naphthenic	Not Listed	Not Listed	Not Listed
Toluene	Listed	Listed	Developmental

<b>Chemical Name</b>	<b>EINECS</b>	<b>DSL</b>	<b>NDSL</b>	<b>TSCA</b>
Heptane (n-)	X	X	-	X
Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Propane	X	X	-	X
Butane	X X	X	-	X
Petroleum distillates, solvent-refined heavy naphthenic	X	X	-	X
Toluene	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>	2
<b>Flammability</b>	-	<b>Flammability</b>	4
<b>Reactivity</b>	-	<b>Physical Hazard</b>	0

**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.