



Chemical name: "Cool-It"

Manufacturer: Lawson

Container size: 11oz.

Location: VLA

Disposal: Place empty container in trash. Give partial or full container to safety officer.



Material Safety Data Sheet

Revision Date 25-Mar-2011

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

Extremely flammable. Contents under pressure. Irritant. Harmful by inhalation.

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. Upper respiratory tract irritation. Headaches. Dizziness. Nausea. Loss of coordination. Central nervous system depression. Extreme overexposure may cause. Cardiac abnormalities. Liver damage. Urinary system effects. Reproductive system damage. 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

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

5. FIRE FIGHTING MEASURES

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

Specific Information for Aerosol Products

Flame extension	28" w/o extension tube
Flashback	Yes

Suitable extinguishing media

Carbon dioxide (CO₂). 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

Containers exposed to extreme heat may burst. 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

Yes. Take precautionary measures against static discharges

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

Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Store in temperatures below 120 degrees F. 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)
Heptane (n-)	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Petroleum distillates, hydrotreated heavy naphthenic	-	-	-	-
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Butane	800 ppm	-	1000 ppm	-
Petroleum distillates, solvent-refined heavy naphthenic	-	-	-	-
Toluene	200 ppm	300 ppm	20 ppm	-

Ventilation and Environmental Controls

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Colorless
Odor	Solvent	Odor Threshold	No information available
pH	Not Applicable	Specific Gravity	0.69
Vapor pressure	No data available	Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)	Density	5.77 lb/gal, 691g/l
VOC Content	70%	Water solubility	No data available
Partition Coefficient (n-octanol/water)	No data available		
		Boiling point/range °C	< -18 - 114
Boiling point/range °F	< 0 - 238	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	< -17
Flash point °F	< 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	-	3000 mg/kg	103 g/m ³
<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/L
<i>Butane</i> 106-97-8	-	-	658 mg/L
<i>Petroleum distillates, solvent- refined heavy naphthenic</i> 64741-96-4	5000 mg/kg	2000 mg/kg	2.18 mg/L

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Toluene 108-88-3	636 mg/kg	12124 mg/kg 8390 mg/kg	12.5 mg/L 26700 ppm

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

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

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

May cause adverse reproductive effects.

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
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

Heptane (n-)

Water Flea Data*Daphnia magna* hEC50 24 (>10 mg/L)

Petroleum distillates, hydrotreated heavy naphthenic

Water Flea Data*Daphnia magna* hEC50 48 (>1000 mg/L)

Petroleum distillates, solvent-refined heavy naphthenic

Water Flea Data*Daphnia magna* hEC50 48 (>1000 mg/L)

Toluene

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

12. ECOLOGICAL INFORMATION

Water Flea Data

water flea hEC50 48 (11.3 mg/L)

water flea hEC50 48 (310 mg/L)

Daphnia magna hEC50 48 (11.3 mg/L)

water flea hEC50 48 (11.3 mg/L)

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

Consumer commodity, ORM-D

TDG

Consumer commodity, ORM-D

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
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

Chemical Name	EINECS	DSL	NDSL	TSCA
Heptane (n-)	X	X	-	X

Petroleum distillates, hydrotreated heavy naphthenic	X	X	-	X
Propane	X	X	-	X
Butane	X	X	-	X
Petroleum distillates, solvent-refined heavy naphthenic	X	X	-	X
Toluene	X	X	-	X

CPR

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

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	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.