LAWSON PRODUCTS, INC.

This is a guide to Lawson's Material Safety Data Sheets. To view information on a particular subject, move your cursor over the heading.

Material Safety Data Sheet

Revision Date *13-Jan-2005*

1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 80000
Product name Super Solvent

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. Irritating to skin. Harmful if swallowed.

Color Clear Colorless **Odor** Slight Aromatic Solvent **Form** Aerosol

Aggravated Medical Conditions Pre-existing respiratory conditions may be aggravated by exposure to this product.

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

Potential health effects

Eyes Contact with eyes may cause irritation.

Skin Skin Irritation. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Inhalation May cause irritation of the nose and throat. Long-term exposure may cause the following effects:. Shortness of breath. Nausea. Loss of coordination. Light headedness. Headaches. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion Harmful or fatal if swallowed. Aspiration hazard. May cause severe lung damage if aspirated into the lungs from ingestion or vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
N-Heptane	142-82-5	60-100
Toluene	108-88-3	1-5
Trichloroethylene	79-01-6	1-5
Propane/Isobutane/N-Butane	68476-86-8	10-30

4. FIRST AID MEASURES

Eye contact Flush eyes immediately with large amounts of water. Call a physician immediately.

Skin contact Wash area thoroughly with soap and water. If symptoms persist, call a physician.

Ingestion Call a physician or Poison Control Center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation Move to fresh air. Contact physician if breathing difficulty develops. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Notes to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point °C 12
Flash point °F 54
Method Closed cup

Autoignition temperature °C 22
Autoignition temperature °F 433

Flammability Limits (% in Air)
Upper 10.7
Lower 1.3

Specific Information for Aerosol Products

Flame extension > 18"
Flashback Yes

Suitable extinguishing media
Carbon dioxide (CO2). Foam. Dry powder. Alcohol foam. Dry chemical.

Extinguishing media which must NOT be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire.

Special Fire-Fighting Procedures
Evacuate area of unprotected and unnecessary personnel. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire and Explosion Hazards
In the event of fire and/or explosion do not breathe fumes.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions
Do not allow material to contaminate ground water system.

Clean-up methods - small spill
Absorb with fire resistant absorbent. Collect and contain for disposal. Dispose of absorbent in accordance with local, state and federal regulations.

Clean-up methods - large spill
Evacuate area of unprotected and unnecessary personnel. Eliminate all sources of ignition. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Contain spill by diking or other methods. Notify appropriate state and local agencies. Follow small spill directions for excess product or residue.

7. HANDLING AND STORAGE

Handling
Contents under pressure. Do not puncture or incinerate. Keep away from open flames, hot surfaces and sources of ignition. Vapors are heavier than air and will collect in low areas. Do not smoke while using. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapors or mists.

Storage
Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight. Do not store in temperatures exceeding 90 degrees F (32 C). Keep out of the reach of children.

Incompatible products
No special storage conditions required.

NFPA Storage Code
Store as Level 2 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
N-Heptane	2000 mg/m³ 500 ppm	-	400 ppm	500 ppm
Propane/Isobutane/N-Butane	-	-	-	N/D
Trichloroethylene	100 ppm	200 ppm	50 ppm	100 ppm
Toluene	200 ppm	300 ppm	50 ppm	-

Ventilation and Environmental Controls
If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

Hygiene measures
Wash hands before eating or using the washroom. When using, do not eat, drink or smoke.

Personal protective equipment

Respiratory protection
Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 2 when ventilation is restricted.

Hand protection
Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection
Wear safety glasses with side shields.

Skin and body protection
Chemical resistant apron.

Other Protective Equipment
A safety shower and eye wash station should be available for emergency use

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	**Color**	Clear Colorless
Odor	Slight Aromatic Solvent	**Odor Threshold**	No information available
pH	No data available	**Specific Gravity**	1.15
Vapor pressure	2.0 psi (103 mmHg)	**Vapor density**	> 1 (Air=1)
Evaporation Rate	>1 (Ether =1)	**Viscosity**	0.386 @ 25°C
VOC Content	95 %	**Water solubility**	Slightly soluble
Partition Coefficient (n-octanol/water)	0.7		

Boiling point/range °C	No data available	**Boiling point/range °F**	No data available
Melting point/range °C	No data available	**Melting point/range °F**	No data available
Flash point °C	12	**Flash point °F**	54

10. STABILITY AND REACTIVITY

Stability
Stable.

Conditions to avoid
Avoid heat, sparks, and other sources of ignition. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause containers to burst.

Materials to avoid
Incompatible with oxidizing agents.

Hazardous decomposition products
Calcium dioxide. Carbon monoxide.

Polymerization
Will not occur.

Synergistic Products
No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
N-Heptane *142-82-5*	-	-	103 g/m^3
Propane/Isobutane/N-Butane *68476-86-8*	-	-	-
Trichloroethylene *79-01-6*	5650 mg/kg	20 g/kg	8450 ppm
Toluene *108-88-3*	636 mg/kg	14100 µL/kg	400 mg/kg 49 g/m^3

Potential health effects

Sensitization
No information available.

Mutagenic effects
Did not show mutagenic effects in animal experiments..

Teratogenic effects
No information available

Reproductive toxicity
No information available

Target Organ Effects
Central nervous system.

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA
N-Heptane	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-
Trichloroethylene	A5 - Not Suspected as a Human Carcinogen	Group 2A	-	Suspect	-
Toluene	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-

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

Waste from residues / unused products
Dispose of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

Contaminated packaging
Empty containers should be taken for local recycling, recovery or waste disposal.

Disposal Information
Do not puncture or incinerate. Depressurize before disposal.

14. TRANSPORT INFORMATION

DOT

Consumer Commodity ORM-D

TDG

AEROSOLS(N-Heptane,Propane/Isobutane/N-Butane), Class 2.1, UN1950,PG

IMDG/IMO

Aerosols(N-Heptane,Propane/Isobutane/N-Butane),UN1950,PG

IATA

Aerosols, flammable, in Class 8, (N-Heptane,Propane/Isobutane/N-Butane),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(N-Heptane,Propane/Isobutane/N-Butane),2.1,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	LISTED

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
N-Heptane	Not Listed	Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Trichloroethylene	Listed	Listed	Carcinogen
Toluene	Listed	Listed	Developmental

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
N-Heptane	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X
Trichloroethylene	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

NFPA		HMIS	
Health	2	**Health**	3*
Flammability	4	**Flammability**	4
Reactivity	0	**Physical Hazard**	0

Reason for revision No information available.

Prepared By Regulatory Department.

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.