



# Material Safety Data Sheet

Revision Date 26-Jan-2005

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 82556  
**Product name** Super 77 Spray Adhesive  
**Recommended Use** Adhesive  
**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.

**Color** Colorless

**Odor** Solvent

**Form** Aerosol

**Aggravated Medical Conditions** None Known.

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

### Potential health effects

**Eyes** 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 %
Heptane (n-)	142-82-5	15-40
Propane	74-98-6	7-13
Butane	106-97-8	10-30
Acetone	67-64-1	10-30

## 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. Consult a physician.

## 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>	

<b>Flammability Limits (% in Air)</b>	
<b>Upper</b>	12.8
<b>Lower</b>	1.0

### Specific Information for Aerosol Products

<b>Flame extension</b>	Unknown
<b>Flashback</b>	Unknown

### Suitable extinguishing media

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

### Extinguishing media which must NOT be used for safety reasons

No information available.

### Special Fire-Fighting Procedures

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.

### Fire and Explosion Hazards

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention Water spray may be ineffective. If water is used, fog nozzles are preferable. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

### 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.

## 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 <sup>3</sup> 500 ppm	-	400 ppm	500 ppm
Butane	800 ppm	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Acetone	1000 ppm 2400 mg/m <sup>3</sup>	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-

### Ventilation and Environmental Controls

Local: recommended. Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. General: as necessary.

### Hygiene measures

Wash hands before breaks and immediately after handling the product.

### 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. The following gloves are recommended for prolonged or repeated contact: .  
Chemical resistant gloves.

#### Eye protection

Avoid contact with eyes. Wear safety glasses with side shields.

**Skin and body protection**

No information available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	Aerosol	<b>Color</b>	Colorless
<b>Odor</b>	Solvent	<b>Odor Threshold</b>	No information available
<b>pH</b>	No data available	<b>Specific Gravity</b>	0.70
<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>	63.40 %
<b>Water solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Boiling point/range °F</b>	< 0 - 238	<b>Boiling point/range °C</b>	< -18 - 114
<b>Melting point/range °F</b>	No data available	<b>Melting point/range °C</b>	No data available
<b>Flash point °F</b>	< 0	<b>Flash point °C</b>	< -17

**10. STABILITY AND REACTIVITY****Stability**

Stable.

**Conditions to avoid**

None known.

**Materials to avoid**

None.

**Hazardous decomposition products**

Carbon 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)
Heptane (n-) 142-82-5	-	-	103 g/m <sup>3</sup>
Butane 106-97-8	-	-	658 g/m <sup>3</sup> 680 g/m <sup>3</sup>
Acetone 67-64-1	5800 mg/kg	-	44 g/m <sup>3</sup> 50100 mg/m <sup>3</sup>
Propane 74-98-6	-	-	-

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

No information available.

**Mutagenic effects**

No information available.

**Reproductive toxicity**

No information available

**Carcinogenic effects**

See table below

**Chronic toxicity**

No information available.

**Teratogenic effects**

No information available

**Target Organ Effects**

No information available

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Heptane (n-)	-	-	-	-	-
Butane	-	-	-	-	-
Acetone	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Propane	-	-	-	-	-

**12. ECOLOGICAL INFORMATION**

Acetone

**Water Flea Data***water flea LC50=0.0039 mg/L (48 h)**water flea EC50=12700 mg/L (48 h)***Ecotoxicity effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

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

**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.

**14. TRANSPORT INFORMATION**

**DOT**

Consumer commodity (Acetone),ORM-D,,RQ

**TDG**

AEROSOLS(Heptane (n-),Butane), Class 2.1,UN1950,PG

**IMDG/IMO**

Aerosols(Heptane (n-),Butane),UN1950,PG

**IATA**Aerosols, flammable(Heptane (n-),Butane),UN1950  
Hazard Class 2.1**MEX**

UN1950 Aerosols(Heptane (n-),Butane),2.2,

**15. REGULATORY INFORMATION****State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Heptane (n-)	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Acetone	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Heptane (n-)	X	X	-	X
Butane	X	X	-	X
Acetone	X	X	-	X
Propane	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	-	Health	1
Flammability	-		

<b>Reactivity</b>	-	<b>Flammability</b>	4
		<b>Physical Hazard</b>	0
		<b>Protection</b>	-

**Reason for revision** No information available.

**Prepared By** T. Heidorn, MSDS Project Lead

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.