



Material Safety Data Sheet

Revision Date 08-Feb-2011

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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

Extremely flammable. Contents under pressure. Irritant. May be harmful if inhaled.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Skin contact. Inhalation. Eyes.

Potential health effects

- Eyes** Exposure to vapors may cause the following effects: Irritation. Reddening. Burning sensation.
- Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.
- Inhalation** Exposure to vapors may cause the following effects. Irritating to respiratory system. Headaches. Dizziness. Nausea. Loss of coordination. Central nervous system depression. 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 %
Propane	74-98-6	7-13
Butane	106-97-8	10-30
Heptanes	142-82-5	15-40

Acetone	67-64-1	10-30
Toluene	108-88-3	0.1-1
Benzene	71-43-2	0.001

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. Seek medical attention if irritation persists.
- Ingestion** Do not induce vomiting. Call a physician or Poison Control Center immediately.
- Inhalation** Remove to fresh air. Restore breathing. Keep warm and quiet.

5. FIRE FIGHTING MEASURES

Flash point °C < -17.78
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 12.8
Lower 1.0

Specific Information for Aerosol Products

Flame extension 18"
Flashback Yes without extension tube; No with extension tube

Suitable extinguishing media

Carbon dioxide (CO₂). Dry chemical. Alcohol 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 may vent or burst under extreme or prolonged fire conditions. Flash back possible over considerable distance. 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. 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. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE**Handling**

Keep away from open flames, hot surfaces and sources of ignition. Vapors may accumulate readily and may ignite explosively. Ensure adequate ventilation. Avoid breathing spray mist. Do not smoke. Turn off other sources of ignition prior to use and until all vapors have dissipated. Do not puncture or incinerate. Do not take internally. Keep out of reach of children. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Standard safety precautions should be observed when handling this material.

Storage

Containers exposed to extreme heat may burst. Keep away from heat and sources of ignition. Store in temperatures below 120 degrees F. Keep away from direct sunlight. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Heptanes	2000 mg/m ³ 500 ppm	-	400 ppm	500 ppm
Butane	800 ppm	-	1000 ppm	-
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Toluene	200 ppm	300 ppm	20 ppm	-

Benzene	1 ppm 10 ppm applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028	25 ppm applies to industry segments exempt from the 1 ppm TWA and 5 ppm STEL of the benzene standard	0.5 ppm	2.5 ppm
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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. Use in a well ventilated area. Local: recommended.

Hygiene measures

Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Respiratory protection

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

Hand Protection

Gloves are not required in normal use. The following gloves are recommended for prolonged or repeated contact: . Chemical resistant gloves.

Eye protection

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	No information available
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.70
Vapor pressure	No data available
Density	5.83 lb/gal; 698 g/l
Vapor density	>Air
Evaporation Rate	>1 (Ether =1)
Water solubility	No data available
VOC Content	63.40%
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	< -17.78
Flash point °F	< 0

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatibility

None known.

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>Heptanes</i> 142-82-5	-	3000 mg/kg	103 g/m ³
<i>Butane</i> 106-97-8	-	-	658 mg/L
<i>Acetone</i> 67-64-1	5800 mg/kg	-	-
<i>Propane</i> 74-98-6	-	-	658 mg/L
<i>Toluene</i> 108-88-3	636 mg/kg	12124 mg/kg 8390 mg/kg	12.5 mg/L 26700 ppm
<i>Benzene</i> 71-43-2	1800 mg/kg	-	13050 - 14380 ppm

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

See Section 2 .

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

Male reproductive toxin. Possible risk of harm to the unborn fetus.

Target Organ Effects

See Section 2. Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Heptanes	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Toluene	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Benzene	Listed	Group 1	Listed	Not Listed	Listed

12. ECOLOGICAL INFORMATION**Heptanes****Water Flea Data***Daphnia magna* hEC50 24 (>10 mg/L)**Acetone****Microtox Data***Photobacterium phosphoreum* EC50=14500 mg/L (15 min)**Water Flea Data***water flea* hEC50 48 (0.0039 mg/L)*water flea* hEC50 48 (12700 mg/L)*Daphnia magna* hEC50 48 (12600 mg/L)*water flea* hEC50 48 (0.0039 mg/L)**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**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)**Aquatic toxicity**

Do not let product enter drains Harmful to aquatic organisms

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

14. TRANSPORTATION INFORMATION**DOT**

Consumer commodity, ORM-D

TDG

Consumer commodity, ORM-D

15. REGULATORY INFORMATION**US EPA SARA 313**

Product code **82556**

Product name **Super 77
Spray Adhesive**

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Benzene	Listed

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.

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Heptanes	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Toluene	Listed	Listed	Developmental
Benzene	Listed	Listed	Carcinogen Developmental Male Reproductive

Chemical Name	Type
Benzene - 71-43-2	Male Reproductive

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Heptanes	X	X	-	X
Butane	X	X	-	X
Acetone	X	X	-	X
Propane	X	X	-	X
Toluene	X	X	-	X
Benzene	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

HMIS

Health - 1
Flammability - 4
Physical Hazard - 0

Prepared By

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