Material Safety Data Sheet

Revision Date *09-Apr-2008*

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 83570
Product name Expunge
Recommended Use Paint Remover

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. May be harmful if swallowed.

Color Colorless **Odor** No information available **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 %
Propane	74-98-6	10-30
Butane	106-97-8	3-7
Toluene	108-88-3	30-60
Isopropyl alcohol	67-63-0	1-5
Diacetone alcohol	123-42-2	5-10
Acetone	67-64-1	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. Give several glasses of water. Seek medical attention.

Inhalation Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C < -17
Flash point °F < 0
Method No information available

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper 12.8
Lower 1.0

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
Keep product and empty container away from heat and sources of ignition. Containers exposed to extreme heat may burst. In the event of fire and/or explosion do not breathe fumes. Contact with open flame or hot surfaces may generate toxic fumes. 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. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up
Ventilate area to maintain exposure below permissible exposure limits. Eliminate all sources of ignition. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling
Ensure adequate ventilation. Keep container closed when not in use. Remove all sources of ignition. Avoid contact with skin and eyes. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Contents under pressure. Do not puncture or incinerate. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Ground and bond containers when transferring material. Do not take internally. Keep out of reach of children.

Storage
Store in temperatures below 120 degrees F. Store in a well ventilated area. Vapors may accumulate readily and may ignite explosively .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Toluene	200 ppm	300 ppm	20 ppm	-
Propane	1000 ppm 1800 mg/m^3	-	1000 ppm	-
Diacetone alcohol	240 mg/m^3 50 ppm	-	50 ppm	-
Butane	800 ppm	-	1000 ppm	-
Isopropyl alcohol	400 ppm 980 mg/m^3	-	200 ppm	400 ppm
Acetone	1000 ppm 2400 mg/m^3	-	500 ppm	750 ppm

Ventilation and Environmental Controls
Provide adequate ventilation to keep exposure limits below applicable limits.

Hygiene measures
Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Respiratory protection
Wear a NIOSH approved organic vapor/particulate respirator. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. if there is any potential for an uncontrolled release. where exposure levels are not known. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

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
Use safety eyewear designed to protect against splash of liquids.

Skin and body protection
None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

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Form	Aerosol	**Color**	Colorless
Odor	No information available	**Odor Threshold**	Not Applicable
pH	7.0	**Specific Gravity**	0.80
Vapor pressure	Not Applicable	**Vapor density**	>1 (Air = 1)
Evaporation Rate	>1 (Ether =1)	**Density**	6.44 lb/gal; 795 g/l
VOC Content	71.66%	**Water solubility**	No data available
Partition Coefficient (n-octanol/water)	Not Applicable		
		Boiling point/range °C	< -18 - 172
Boiling point/range °F	< 0 - 342	**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.

Incompatability
None.

Hazardous Decomposition Products
Carbon dioxide. Carbon monoxide.

Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Toluene *108-88-3*	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm	12.5 mg/L 12124 mg/kg 636 mg/kg 8390 mg/kg 26700 ppm
Propane *74-98-6*	658 mg/L	658 mg/L	658 mg/L
Diacetone alcohol *123-42-2*	13500 mg/kg 4 g/kg	13500 mg/kg 4 g/kg	13500 mg/kg 4 g/kg
Butane *106-97-8*	658 mg/L	658 mg/L	658 mg/L

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
Isopropyl alcohol *67-63-0*	12800 mg/kg 12870 mg/kg 4396 mg/kg 72.6 mg/L	12800 mg/kg 12870 mg/kg 4396 mg/kg 72.6 mg/L	12800 mg/kg 12870 mg/kg 4396 mg/kg 72.6 mg/L
Acetone *67-64-1*	5800 mg/kg	5800 mg/kg	5800 mg/kg

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
None known

Target Organ Effects
Prolonged or repeated occupational overexposure may affect the following:. Brain. Nervous system.

Carcinogenic effects
See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Diacetone alcohol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl alcohol	A4 - Not Classifiable as a Human Carcinogen	Group 1	Not Listed	Not Listed	Listed
Acetone	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed

Specific Hazards Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

12. ECOLOGICAL INFORMATION

Toluene

Microtox Data
Photobacterium phosphoreum EC50=19.7 mg/L (30 min)
Water Flea Data
Daphnia magna EC50=11.3 mg/L (48 h)
water flea EC50=11.3 mg/L (48 h)
water flea EC50=310 mg/L (48 h)

Diacetone alcohol

Water Flea Data
water flea EC50=8750 mg/L (48 h)

Isopropyl alcohol

Microtox Data
Photobacterium phosphoreum EC50=35390 mg/L (5 min)
Water Flea Data
Daphnia magna EC50=13299 mg/L (48 h)

Acetone

Microtox Data
Photobacterium phosphoreum EC50=14500 mg/L (15 min)
Water Flea Data
water flea EC50=0.0039 mg/L (48 h)
Daphnia magna EC50=12600 mg/L (48 h)
water flea EC50=12700 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 of all product, residues and clean-up materials in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT

Consumer commodity, ORM-D

TDG

UN1950 AEROSOLS, flammable, 2.1

IMDG/IMO

UN1950 Aerosols, flammable, 2.1

IATA

UN1950 Aerosols, flammable, 2.1

MEX

UN1950 Aerosols, flammable, 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Isopropyl alcohol	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene	Listed	Listed	Developmental
Propane	Listed	Listed	Not Listed
Diacetone alcohol	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Isopropyl alcohol	Listed	Listed	Not Listed
Acetone	Listed	Listed	

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene	X	X	-	X
Propane	X	X	-	X
Diacetone alcohol	X	X	-	X
Butane	X	X	-	X
Isopropyl alcohol	X	X	-	X
Acetone	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**	2
Flammability	-	**Flammability**	3
Reactivity	-	**Physical Hazard**	0

Prepared By Michael Katz, Regulatory Affairs Specialist

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.