

Material Safety Data Sheet

Revision Date 29-Jul-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 83570
Product name Expunge
Recommended Use Paint Remover

Supplier Lawson Products, Inc.
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable. Contents under pressure. Irritant.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Skin contact. Inhalation. Eyes.

Potential health effects

Eyes Exposure to vapors or mists 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. Extreme overexposure may cause. Central nervous system depression. Cardiac abnormalities. Liver damage. 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 %
Toluene	108-88-3	30-60
Propane	74-98-6	10-30
Diacetone alcohol	123-42-2	5-10
Butane	106-97-8	5-10
Isopropyl alcohol	67-63-0	1-5
Acetone	67-64-1	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, 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 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 40" without extension tube
Flashback Yes

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 (50 degrees C) . 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)
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Butane	800 ppm	-	-	1000 ppm
Toluene	200 ppm	300 ppm	20 ppm	-
Isopropyl alcohol	400 ppm 980 mg/m ³	-	200 ppm	400 ppm
Diacetone alcohol	50 ppm 240 mg/m ³	-	50 ppm	-
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 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. Use in a well ventilated area. Consult OSHA standard 1910.94, 1910.107, 1910.108.

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

Other Protective Equipment

An eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	No information available
Odor Threshold	No information available
pH	7.0
Specific Gravity	0.80
Vapor pressure	No data available
Density	6.65 lb/gal; 796 g/l
Vapor density	>Air
Evaporation Rate	>1 (Ether =1)
Water solubility	No data available
VOC Content	71.66%
Partition Coefficient (n-octanol/water)	No data available
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	< -17.78
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)
Propane 74-98-6	-	-	658 mg/L
Butane 106-97-8	-	-	658 g/m ³
Toluene 108-88-3	636 mg/kg	8390 mg/kg	12.5 mg/L
Isopropyl alcohol 67-63-0	4396 mg/kg	12800 mg/kg	16000 ppm
Diacetone alcohol 123-42-2	4 g/kg	-	-
Acetone 67-64-1	-	-	50100 mg/m ³

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	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
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Toluene	A4	Not Listed	Not Listed	Not Listed	Not Listed
Isopropyl alcohol	A4	Not Listed	Not Listed	Not Listed	Not Listed
Diacetone alcohol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION**Toluene****Microtox Data***Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)**Water Flea Data***Daphnia magna* EC50=9.83 mg/L (48 h)*Daphnia magna* EC50=11.5 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***Daphnia magna* EC50=17704 mg/L (48 h)*Daphnia magna* EC50=12700 mg/L (48 h)**Ecotoxicity effects** No information available**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**

UN1950 Aerosols, flammable, 2.1. Consumer commodity, ORM-D. This product meets the "Limited quantity" exemption

TDG

UN1950 AEROSOLS, flammable, 2.1 Consumer commodity, ORM-D. This product meets the "limited quantity" exemption

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Isopropyl alcohol	Listed

State Regulations

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

Product code **83570**

Product name **Expunge**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Listed	Not Listed

Chemical Name	Type
Toluene - 108-88-3	Female 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
Propane	X	X	-	X
Butane	X	X	-	X
Toluene	X	X	-	X
Isopropyl alcohol	X	X	-	X
Diacetone alcohol	X	X	-	X
Acetone	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 - 2 *
Flammability - 3
Physical Hazard - 0

Prepared By V. Shargorodsky, Regulatory Affairs Engineer

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.