

Material Safety Data Sheet

Revision Date 15-Jun-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code	DA7910
Product name	Unlimited Slip
Recommended Use	Lubricant
Supplier	Drummond, A Lawson Brand 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

Flammable. Irritating to respiratory system. Irritating to eyes. Vapors may cause flash fire or explosion.

Aggravated Medical Conditions

None Known

Principal Routes of Exposure

Eyes. Skin contact. Inhalation. Ingestion.

Potential health effects

Eyes	May cause the following effects: Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.
Skin	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.
Inhalation	Harmful by inhalation. May cause the following effects. Headaches. Dizziness. Nausea. Decreased blood pressure. Central nervous system effects. Changes in heart rate. Cyanosis. Long-term exposure may cause the following effects: Lung damage. Kidney damage. Central nervous system damage.
Ingestion	Harmful or fatal if swallowed. If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
N-Heptane	142-82-5	10-30
Propane/Isobutane/N-Butane	68476-86-8	10-30
Acetone	67-64-1	7-13

4. FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water. If eye irritation persists, consult a specialist.
Skin contact	Wash off immediately with plenty of water. Call a physician immediately. Remove and wash contaminated clothing before re-use.
Ingestion	Immediate medical attention is required. Do Not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Flash point °C	-104
Flash point °F	-156
Method	Pensky-Martens C.C.
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available
Flammability Limits (% in Air)	
Upper	12.8
Lower	1.2
Suitable extinguishing media	Carbon dioxide (CO2). Dry chemical powder. Foam. Water fog.
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	Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Vapors are heavier than air and may travel along the ground to an ignition source distant from material handling area. Possible ignition sources include pilot lights, flames, lighted cigarettes, heating elements, electric motors, sparks from electrical switches. 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

Dam and contain spill using sand or other inert material. Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling

Thoroughly wash hands and exposed skin after handling. Keep in a well-ventilated place. Use only according to label directions. Handle empty containers as if they were full. Minimize skin contact. Avoid breathing vapors. Avoid contact with skin, eyes and clothing.

Storage

Keep away from open flames, hot surfaces and sources of ignition. Do not freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane/Isobutane/N-Butane	-	-	-	N/D
N-Heptane	500 ppm 2000 mg/m ³	-	400 ppm	500 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.

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. 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

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

Other Protective Equipment

Wear appropriate clothing to prevent skin contact. Rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	White
Odor	Solvent
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	0.7210
Vapor pressure	80-90
Vapor density	>Air
Evaporation Rate	>1 (Butyl Acetate = 1)
Water solubility	Negligible
VOC Content	3.00 lbs/gal; 360 g/l
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	-41 - 98
Boiling point/range °F	-43 - 209
Melting point/range °C	0
Melting point/range °F	32
Flash point °C	-104
Flash point °F	-156

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Contact with ignition sources, hot-glowing surfaces, electrical arcs, sparks, and open flame.

Incompatibility

Strong acids. Oxidizers. Amines. Alkalies.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Chlorides. Chlorine. Phosgene .

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal ,rat/rab bit)	LC50 (inhalation,rat)
Acetone 67-64-1	5800 mg/kg	-	-
Propane/Isobutane/N-Butane 68476-86-8	-	-	-
N-Heptane 142-82-5	-	3000 mg/kg	103 g/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

None known

Target Organ Effects

Long term exposure to vapor may cause kidney damage. Long term exposure to vapor may cause lung damage.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION**N-Heptane****Water Flea Data***Daphnia magna EC50>10 mg/L (24 h)***Acetone****Microtox Data***Photobacterium phosphoreum EC50=14500 mg/L (15 min)***Water Flea Data***Daphnia magna EC5010294 - 17704 mg/L (48 h)**Daphnia magna EC5012600 - 12700 mg/L (48 h)***13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Must be in accordance with applicable laws and regulations.

14. TRANSPORTATION INFORMATION**DOT**

UN1950 Aerosols, flammable, 2.1.

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
N-Heptane	Not Listed	Listed	Not Listed

International Inventories

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

16. OTHER INFORMATION

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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.