



LPS LABORATORIES
WORKPLACE HAZARDOUS MATERIAL INFORMATION SYSTEM
Material Safety Data Sheet

Section 1 - Product Identification and Use

Manufacturer's Name: LPS Laboratories

Address (Number Street):

4647 Hugh Howell Road
Tucker, GA 30085-5052

Telephone Number: 770-243-8800

Emergency Telephone Number:

1-613-996-6666 CANUTEC

Website: <http://www.lpslabs.com>

Product Identifier: LPS EFX Solvent Degreaser

Product Use: Fast drying, heavy-duty solvent degreaser for metal parts.

Packaging: Aerosol (425 grams), 3.84L, 19.2L, 205 L

Part Numbers: C01820 (aerosol), C01801, C01805, C01855

WHMIS Classification:

Aerosol: Class A, Class B Division 5, Class D Division 2B

Bulk: Class B, Division 2, Class D Division 2B

Section 2 - Hazardous Ingredients

Ingredients	CASRN	Percent by Weight	LC-50	LD-50	ACGIH-TLV
N-heptane	142-82-5	60 – 70	103 gm/m ³ /4 hr. rat	Not Available	400 ppm
Acetone	67-64-1	8 – 12	30 gm/m ³ /2 hr. rat	5.8 gm/kg rat	500 ppm
Isopropanol	67-63-0	8 – 12	16,000 ppm / 8 hr. rat	5.0 gm/kg rat	400 ppm
Octane	111-65-9	4 – 6	118 gm/m ³ /4 hr. rat	Not available	300 ppm
Methylcyclohexane	108-87-2	4 – 6	82 gm/m ³ /1 hr. rat	3.2 gm/kg rat	400 ppm
Nonane	111-84-2	4 – 6	17 gm/m ³ /4 hr. rat	Not available	200 ppm
Carbon Dioxide (aerosol only)	124-38-9	2 - 4	Not available	Not appropriate	5,000 ppm

Section 3 - Physical / Chemical Characteristics

Boiling point (C°):	60.5	Specific gravity (H2O = 1):	0.65 – 0.68
Vapor pressure @ 20°C :	~61 mmHg	Evaporation rate (CCL4=1):	>1
Vapor density (Air = 1):	Approx. 3	Freezing Point (C°):	Not appropriate
Coefficient of water oil distribution:	<1	pH:	Not appropriate
Physical State: Thin liquid		Solubility in water (% by weight):	<10%
Odor/Color: Clear, colorless with strong, characteristic odor.		Percent volatile by volume (%):	100
Odor Threshold (ppm):	Not available		

Section 4 - Fire and Explosion Hazard

Flammability: Yes No **Flammable limits:** LEL: 0.6 UEL: 7.0

Flash point: <-17°C . Do not use on energized equipment.

Extinguishing media: Use foam, CO₂, or dry chemical. Use water spray or fog to cool exposed equipment and containers.

Hazardous combustion products: Carbon monoxide, carbon dioxide.

Sensitivity to Impact: None **Sensitivity to static discharge:** Yes, see Section 7.

Special Hazards (including explosion data): Excessive heat created by fire will cause aerosols to burst.

Section 5 - Reactivity Data

Stability: Stable

Conditions to avoid: Avoid contact with open flame, electric arcs or other hot surfaces that can cause explosion.

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous decomposition products: Carbon monoxide.

Hazardous polymerization: Will not occur. **Reactivity and under what conditions:** None.

Section 6 - Toxicological Properties

Primary route(s) of entry: Inhalation, eyes, skin

Exposure Limits: See Section 2.

Acute effects of over exposure:

Inhalation: Not expected to be acutely toxic. May irritate the nose, throat, and lungs. Exposure to high doses may cause depression of the central nervous system (anesthetic- like effects).

Eyes: Expected to be an eye irritant.

Skin: Prolonged or repeated skin contact can cause defatting and drying of skin. Skin adsorption is possible upon prolonged contact.

Ingestion: Not expected to be acutely toxic. If product is aspirated into lungs, chemical pneumonia can result..

Chronic effects of exposure: Long-term overexposure may cause adverse effects in the liver, respiratory system, kidney, and central nervous system. Effects on animal reproductive systems have been observed under laboratory conditions.

Carcinogenicity: None known.

Medical conditions aggravated by exposure: Previous liver, kidney, respiratory and central nervous system problems.

Other toxicological properties (including reproductive toxicity, synergistic sensitization, teratogenicity, mutagenicity.): None known.

Section 7 - Preventive Measures

Personal Protection:

- Hands:** Protective gloves: resistant to chemical penetration.
Eyes: For spraying or splashing of solvent, use face shield or goggles. Contact lenses should not be worn.

Respiratory: None required if good ventilation is maintained. If vapor concentration rises above TLV, use NIOSH approved organic vapor cartridge respirator. For large spills or emergencies in completely enclosed areas, use self-contained breathing apparatus.

Engineering Controls: Ventilate low lying areas where vapors may collect. Provide local exhaust if TLV is exceeded.

Procedures to be followed in case of leak or spill: Evacuate area, ventilate and avoid breathing vapors. Contain spill, remove leaking container and transfer product to another vessel using non-sparking equipment. Clean up area by mopping or soak up with absorbent material. Place in closed containers. Do not flush to sewer.

Waste disposal: Dispose of in accordance with municipal, provincial, and federal regulations. Do not incinerate aerosols.

Handling and Storage Procedures: Store aerosols below 50°C and above 0°C. Store in a dry, well-ventilated area.

H.M.I.S. III Labeling: Health: [/]1 **Flammability:** 3 **Physical Hazard:** 2 (aerosol), 0 (others)
N.F.P.A. Labeling: Health: 1 **Flammability:** 3 **Reactivity:** 0

Section 8 - First Aid Measures

Emergency and first aid procedures:

- Inhalation:** Remove to fresh air. Call a physician. Give oxygen if indicated.
Eyes: Flush eyes with plenty of water. Get medical attention.
Skin: Wash with soap and water. If irritation develops see a physician.
Ingestion: Do not induce vomiting, contact physician immediately.

Section 9 - Preparation Date of WHMIS

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LPS Laboratories

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