



**LPS LABORATORIES
U.S. & Canadian
MATERIAL SAFETY DATA SHEET**

Section 1 • Chemical Product and Company Identification

Manufacturer's Name:

LPS Laboratories

Trade Name:

LPS PSC Plastic Safe Cleaner- Aerosol

Address:

4647 Hugh Howell Road
Tucker, GA 30085-5052

Chemical Family:

Halogenated Hydrocarbon

Telephone Number: 770-934-7800

Part Numbers:

04620 / C04620

Emergency Telephone Number:

1-800-424-9300 Chemtrec;
Outside U.S.: (703) 527-3887

1-613-996-6666 CANUTEC

Section 2 • Composition, Information on Ingredients

Ingredients	CAS Numbers	%w/w	OSHA PEL-TWA	ACGIH - TLV	LC-50	LD-50	Other Limits
(Nonafloerobutyl) Methyl Ether	163702-07-6	5-20	Not available	Not available	Not Available	5 g/kg*	600 ppm TWA**
(Nonafloerisobutyl) Methyl Ether	163702-08-7	5-20	Not available.	Not available.	Not Available	5 g/kg*	600 ppm TWA**
Trans-1,2-Dichloroethylene	156-60-5	5-10	200 ppm	200 ppm	Not available	Not available	75 ppm TWA**
Isopropanol; Isopropyl alcohol	67-63-0	1-5	400 ppm	400ppm	12,000 ppm / 8 hrs.***	6 g/kg.*	500 ppm STEL**
Tetraflouroethane	811-97-2	60-70	Not available	Not available	567,000 ppm 4 hr. rat.	Not available	1,000 ppm WEEL**

The above components are hazardous as defined in 29 CFR 1910.1200.

* Oral, rat

** Supplier

***Inhalation rat

Section 3 • Hazards Identification

Physical State and Appearance:

Clear, colorless liquid with an ethereal odor.

Emergency Overview:

DANGER

Vapor Harmful. Eye Irritant. Contents Under Pressure. Harmful or fatal if swallowed.

Primary route(s) of entry:

Absorbed through skin. Eye contact. Inhalation.

Potential Acute Health Effects:

Eyes: Irritating to eyes.

Skin: Repeated exposure may cause skin dryness or cracking.

Inhalation: High vapor concentrations can cause headaches, dizziness, drowsiness and nausea, and may lead to unconsciousness

Ingestion: Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.

Potential Chronic Health Effects:

Carcinogenic Effects: NTP: No **IARC:** No **OSHA:** No

Mutagenic Effects: None

Teratogenic Effects: None

Medical conditions aggravated by exposure: None from normal exposure.

Section 4 • First Aid Measures

Eyes:	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation occurs.
Skin:	In case of contact, wash with soap and water. Get medical attention if irritation develops.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

Section 5 • Fire Fighting Measures

Flash points:	Not applicable.		
Flammable limits:	Not applicable.		
Products of Combustion:	Thermal decomposition may yield hydrogen fluoride, hydrogen chloride, chlorine, carbon monoxide and carbon dioxide.		
Firefighting media:	Use DRY chemicals, CO ₂ , water spray or foam.		
Protection Clothing (Fire):	Not established.	Special Remarks on Explosion Hazards:	None.
Sensitivity to impact:	None	Sensitivity to Static Discharge:	None

Section 6 • Accidental Release Measures

Small Spill and Leak:	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak:	Ventilate area by opening windows and doors. Eliminate all ignition sources. Block the path of any flowing material using soil, gravel, or other readily available material. Absorb with DRY earth, sand or other non-combustible material.

Section 7 • Handling and Storage

Handling:	Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Avoid vapors or spray mists. Use with adequate ventilation.
Storage:	Keep container in a cool, well-ventilated area. Store below 120°F.

Section 8 • Exposure Controls, Personal Protection

Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
Personal Protection:	
Eyes:	Safety glasses.
Respiratory:	Use appropriate respirator if ventilation is inadequate.
Hands:	Impervious gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Boots. Gloves. This is a rapidly evaporating product packaged only in aerosol containers. No residue will be left after only a few minutes outside package.

Section 9 • Physical and Chemical Properties

Physical State and Appearance:	Clear, colorless liquid	Vapor pressure:	Not available
Color:	Colorless.	Vapor density:	3.07 (Air=1)
Odor:	mild Ethereal.	Volatility:	100% (v/v)
Boiling/Condensation point:	57.2°C (135°F)	Evaporation rate:	>1 compared to Butyl acetate.
Specific gravity:	1.324 (Water=1)	VOC:	11.4%, 142 g/L, 1.2 lbs./gal.
pH (1% Soln/Water):	Not available.	Solubility in water:	Very slightly soluble in cold water.
Odor Threshold:	Not available.		
Coefficient of oil/water distribution:	<1		

Section 10 • Stability and Reactivity

Stability and Reactivity:	The product is stable.
Incompatibility with Various Substances:	Extremely reactive or incompatible with oxidizing agents. Reacts violently with sodium, potassium, barium metal. Reacts with finely divided aluminum, zinc and magnesium.
Hazardous decomposition products:	Thermal decomposition may yield hydrogen fluoride, hydrogen chloride, chlorine, carbon monoxide and carbon dioxide.
Hazardous polymerization:	Will not occur.

Section 11 • Toxicological Information

Chronic Effects on Humans:	No specific toxicological data is available at this time. See Section 3 for available information on potential health effects.
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Section 12 • Ecological Information

Ecotoxicity:	No specific ecological data is available at this time. See Section 6 for information regarding Accidental Releases and Regulatory Reporting information.
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Section 13 • Disposal Considerations

Waste Information:	This product is not considered hazardous waste under RCRA. Dispose of in accordance with municipal, state, provincial, and federal regulations. Recovered liquid may be sent to licensed reclaimer or incinerator. Do not incinerate aerosols. Do not flush to the sewer.
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Section 14 • Transportation Information

Mode	Shipping Name	Hazard Class	UN Number	Label	Packing Group	Emergency Response Guide
D.O.T. Ground	Consumer Commodity	ORM-D	1950	ORM-D	N/A	NAERG p. 126
IATA (U.S.)	Consumer Commodity	9	8000	Miscellaneous	N/A	N/A
IATA (Intl.)	AEROSOLS, non-flammable	2.2	1950	Non-flammable gas	N/A	N/A
IMDG (reg.):	AEROSOLS, non-flammable	2.2	1950	Non-flammable gas	N/A	EmS 2-13

Section 15 • Regulatory Information

HCS Classification:	Class: Target organ effects.
U.S. Federal Regulations:	TSCA 8(b) inventory: All of the ingredients are listed on the TSCA inventory or are exempt. CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 370): This product contains no Reportable Quantity (RQ) Substances. SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): Acute Pressure
WHMIS (Canada):	Class A: Compressed gas. Class B-5: Flammable Aerosol. Class D-2B: Material causing other toxic effects (TOXIC). This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Section 16 • Other Information

Version: 5

Form #: 3504

Responsible Name: Ed Williams, Technical Manager

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

HMIS		NFPA	
Health	1		
Fire Hazard	1		
Reactivity	0		
Personal Protection	B		

August 9, 2004

Ed Williams, Technical Manager

LPS Laboratories

A division of Illinois Tool Works

LPS PSC Plastic Safe Cleaner