



LPS A-151 SOLVENT / Degreaser

LPS LABORATORIES MATERIAL SAFETY DATA SHEET

Section 1 • Chemical Product and Company Identification

Manufacturer's Name:
LPS Laboratories

Trade Name:
LPS A-151 Solvent Degreaser

Address:
4647 Hugh Howell Road
Tucker, GA 30085-5052

Chemical Family:
Petroleum Hydrocarbons

Telephone Number: 770-243-8800

Part Numbers: 04320, 04328, 04305, 04355

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

PLAIN LANGUAGE HAZARD SUMMARY

Material Safety Data Sheets can be confusing. Federal and State laws require us to include a great deal of technical information that probably won't help the non-professional. LPS includes this "PLAIN LANGUAGE HAZARD SUMMARY" to address the questions and concerns of the average worker. If you have additional health, safety or product questions, don't hesitate to call us at 800/241-8334.

Worker Toxicity

LPS A-151 SOLVENT DEGREASER is an industrial chemical. It is a high strength cleaning solvent designed to remove oils, resins, grease and grime. It contains petroleum distillates and special "coating solvents" that can be irritating to skin. Avoid extended exposure to unprotected skin. If the product soaks clothing (and even shoes), remove the affected clothing and launder it before wearing it again. THROW AWAY SOAKED SHOES ! Don't get the solvent in your eyes (it stings), or breath the vapor (especially if working on hot surfaces or with heated tanks). Vapors from heated LPS A-151 SOLVENT DEGREASER can make you dizzy and even sick. For more exposure and first aid information, refer to MSDS Sections 2, 3, 8 and 11.

Flammability

LPS A-151 SOLVENT DEGREASER is combustible having a flash point above 170°F and an autoignition temperature over 375° F. Under normal use conditions flammability isn't a concern, but don't apply the product onto red-hot metal surfaces or near sparks.

Disposal

If LPS A-151 SOLVENT DEGREASER becomes contaminated with another substance and is rendered unusable for cleaning, the resulting mixture may fall under a hazardous classification. See section 13 for more details.

Section 2 • Composition, Information on Ingredients

Formula changes were made on August 18, 2004. All product manufactured after that date (beginning with lot # 4231) shall have the following composition:

Ingredients	CAS Numbers	%w/w	OSHA PEL-TWA	ACGIH - TLV	LC-50	LD-50	Other Limits
Aliphatic Hydrocarbon	64742-47-8	60 - 70	Not available	Not available	>6.8 mg/L (4 hrs. rat)	>5 g/kg (rat)	100 ppm (supplier recommended 8-hour TWA)
Dipropylene Glycol Methyl Ether Acetate	88917-22-0	10 - 30	Not available	Not available	Not available.	>5 g/kg (rat)	Not available
Dipropylene glycol mono butyl ether	29911-28-2	10-30	Not available	Not available	>2.04 mg/L (4 hrs. rat)	> 3g/kg (rat)	Not available
Carbon dioxide (aerosol only)	124-38-9	2-3	10000 ppm	5000 ppm	Not available	Not available	Not available

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

Section 3 • Hazards Identification

Physical State and Appearance: Clear colorless liquid with characteristic odor
Emergency Overview: CAUTION
Combustible Liquid. Contents Under Pressure (aerosol only). Harmful or Fatal if Swallowed.
Primary route(s) of entry: Skin and Eye contact. Inhalation.
Potential Acute Health Effects:

Eyes: Irritating to eyes.

Skin: Repeated exposure may cause skin dryness or cracking.

Inhalation: High vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects. Aspiration into lungs may cause pneumonia or death.

Ingestion: If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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: Liquid contact may cause irritation. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation persists.

Skin: Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). In case of contact, wash skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.

Inhalation: High vapor concentrations may cause headaches, stupor, irritation of throat and eyes, and kidney effects. Aspiration into lungs may cause pneumonia or death. If inhaled, remove to fresh air. If breathing is difficult, give oxygen and get medical attention. If not breathing, give artificial respiration and 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. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention immediately.

Section 5 • Fire Fighting Measures

Flash point: CLOSED CUP: 79.4° to 81°C (174.9° to 177°F). (Tagliabue.)
Flammable limits: LOWER: 0.6% UPPER: 20.4% Autoignition Temperature: ≥194°C (381°F)
Products of Combustion: Carbon monoxide and carbon dioxide.
Firefighting media: SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Sensitivity to Impact: None. **Sensitivity to Static Discharge:** None.
Protection Clothing (Fire): Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum distance or use unmanned hose holders or monitor nozzles. Cover pooling liquid with foam. Containers can build pressure if exposed to radiant heat, cool adjacent containers with flooding quantities of water until well after the fire is out.

Special Remarks on Explosion Hazards: Intense heat created by fire will cause aerosols to burst..

Section 6 • Accidental Release Measures

Small Spill and Leak: Absorb with an inert material and dispose of properly.

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 and dispose of properly.

Section 7 • Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists.

Storage: Keep container in a cool, well-ventilated area. Avoid all sources of ignition (spark or flame). 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: For spraying or splashing of solvent, use goggles or safety glasses with face shield.

Respiratory : Use appropriate respirator if ventilation is inadequate.

Hands: Impervious gloves.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Organic vapor phase respirator or self-contained breathing apparatus (for areas with poor ventilation).

Section 9 • Physical and Chemical Properties

Physical State and Appearance:	Clear liquid	Vapor pressure:	<0.1 mmHg(at 20°C)
Color:	Colorless to slight amber	Vapor density:	6.1 (Air=1)
Odor:	Mild	Volatility:	100% (v/v)
Boiling/Condensation point:	209°C (408°F)	Evaporation rate:	0.02 (N-butylacetate = 1)
Specific gravity:	0.84-0.85 (Water=1)	VOC:	0%, 0 g/L, 0 #/gal. Per CARB Regulations
Odor Threshold:	Not available.	Solubility in water:	< 5% in cold water.

Section 10 • Stability and Reactivity

Stability and Reactivity: The product is stable.

Incompatibility with Various Substances: Extremely reactive or incompatible with oxidizing agents.

Hazardous decomposition products: These products are carbon oxides (CO, CO₂)

Hazardous polymerization: Will not occur.

Section 11 • Toxicological Information

No specific toxicological data is available at this time. See Section 3 for available information on potential health effects.

Section 12 • Ecological Information

If LPS A-151 Solvent Degreaser is spilled on soil, some potential toxic effects could occur before biodegradation could remove them. Soil data is not available. While the base solvent does biodegrade in water-based tests, the amount of biodegradation is small due to low water solubility. In stagnant or slow-flowing waterways, an oily layer can cover a large surface area. As a result, this covering layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment. This coating action can also be harmful or fatal to plankton, algae, aquatic life, and water birds. Additionally, potable water and boiler feed water systems should never be allowed more than 5 ppm contamination from this material.

Section 13 • Disposal Considerations

Waste Status: This product, as sold, is not an RCRA hazardous waste.

Disposal: Maximize material recovery for reuse or recycling. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do not dump into sewers, on ground, or into a body of water. The preferred disposal options including sending the material to a licensed, permitted recycler, reclaimer, or incinerator. If spilled material is introduced into a wastewater treatment system, chemical and biological oxygen demand (COD and BOD) will likely increase.

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive than federal laws and regulations.

Section 14 • Transportation Information

Aerosol Only

Mode	Shipping Name	Hazard Class	Number	Technical Name	Label	Packing Group	Emergency Response Guide	Ocean Emergency Schedule
D.O.T. Ground	Consumer Commodity	ORM-D	1950	NA	ORM-D	NA	NAERG p. 126	NA
IATA (US)	Consumer Commodity	9	8000	NA	Miscellaneous	NA	NA	NA
IATA (non-US)	AEROSOLS, flammable	2.1	1950	NA	Flammable Gas	NA	NA	NA
IMDG (Regular)	AEROSOL	2.1	1950	NA	Flammable Gas	NA	NA	NA
IMDG (Special)	Dangerous Goods in Limited Quantities of Class 2	NA	1950	NA	NA	NA	NA	EMS: 2-13

The bulk versions of this product are not regulated under any mode of transportation.

Section 15 • Regulatory Information

HCS Classification: None.

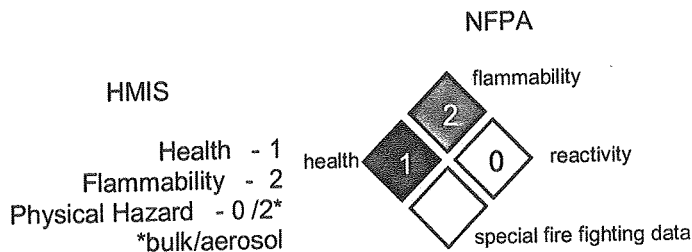
U.S. Federal Regulations: TSCA 8(b) inventory: All of the ingredients are listed on the TSCA inventory.
 CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 370): This product contains no Reportable Quantity (RQ) Substances.
 SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): None.
 SARA Title III Sections 313 Chemicals: None.

Section 16 • Other Information

DOC# 14320

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.



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 A division of Illinois Tool Works

Form #2951