



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 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.

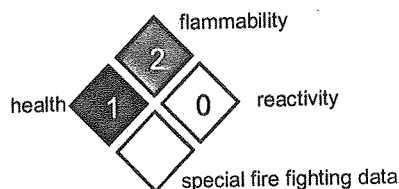
Ed Williams, Technical Manager
LPS Laboratories
A division of Illinois Tool Works

LPS A-151 Solvent Degreaser MSDS

HMIS

Health - 1
Flammability - 2
Physical Hazard - 0/2*
*bulk/aerosol

NFPA



Form #2951

Revision Date: August 18, 2004

Page 4 of 4