



# MATERIAL SAFETY DATA SHEET

## LPS<sup>®</sup> T-91

Non-Solvent Degreaser

Revision Date: 1/13/10

Revision 6

Supersedes: 6/26/09

### Section 1 • Product and Company Identification

**Product Name:** LPS<sup>®</sup>T-91 *Non-Solvent Degreaser*

**Part Number:** C06328, C06301, C06305, C06355

**Chemical Name:** Surfactant Mixture

**Product Use:** A pH neutral degreaser designed to remove grease, oil, and other contaminants from various surfaces.

**Manufacturer Information:** LPS Laboratories, 4647 Hugh Howell Rd., Tucker GA, USA 30084

**TEL:** 1 770-243-8800

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

**FAX:** 1 770-243-8899

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

#### 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 will not 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, do not hesitate to call us at 1 770-243-8800.

#### Worker Toxicity

LPS<sup>®</sup>T-91 Non-Solvent Degreaser is a pH neutral degreaser designed to remove grease, oil, and other contaminants from various surfaces. This product is a mild eye irritant and extended exposure to skin may cause irritation. Wear protective eyewear while using it and avoid prolonged skin exposure. For more exposure and first aid information, refer to MSDS Sections 2, 4, 8 and 11.

#### Flammability

LPS<sup>®</sup>T-91 Non-Solvent Degreaser is non-flammable having no flashpoint.

#### Disposal

Dispose of in accordance with local, state, provincial, and federal regulations. See section 13 for more details.



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### Section 2 • Hazards Identification

*This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.*

**Emergency Overview:** WARNING: Mild eye irritant.

**Primary route(s) of entry:** Skin and eye contact.

#### Potential Acute Health Effects:

**Eyes:** Irritating to eyes.

**Skin:** Repeated exposure may cause skin dryness or cracking.

**Inhalation:** Excessive inhalation of spray mist can cause irritation of the respiratory tract.

**Ingestion:** Product has a low order of acute oral toxicity, but ingestion of large quantities may cause nausea, vomiting, and gastrointestinal irritation.

#### Potential Chronic Health Effects:

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

**Mutagenic Effects:** None

**Teratogenic Effects:** None

**Medical conditions aggravated by exposure:** Persons with pre-existing skin disorders or chronic respiratory diseases should avoid exposure.

#### Signs and Symptoms

Stinging in eyes. Repeated or prolonged skin contact can cause redness, irritation, and scaling of the skin (dermatitis). Breathing of high mist concentrations may cause irritation of throat and eyes.

### Section 3 • Composition / Information on Ingredients

Component	CASRN	Weight %
Alcohols, ethoxylated	Proprietary	Proprietary

*This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).*

### Section 4 • First Aid Measures

**Eyes:** Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low pressure water for at least 15 minutes. Hold eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Do not use eye ointment. Seek medical attention immediately.

**Skin:** Remove contaminated shoes and clothing. Rinse affected area thoroughly with water. Do not use ointments. Seek medical attention if irritation persists.

**Inhalation:** Not a likely route of exposure. Immediately move victim to fresh air. If breathing is difficult, seek medical attention immediately.

**Ingestion:** If ingested, induce vomiting, and contact a physician. 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.



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### Section 5 • Fire Fighting Measures

**Products of Combustion:** Carbon monoxide and carbon dioxide. (Mostly from packaging)

**General Fire Hazards:** Do not use on energized metal equipment.

**Firefighting media:** Not Applicable

**Sensitivity to Impact:** None.

**Sensitivity to Static Discharge:** None.

**Protection Clothing (Fire):** Not Applicable

### Section 6 • Accidental Release Measures

**Containment Procedures** Absorb with an inert material and dispose of properly.

**Clean-Up Procedures** Absorb with an inert material and dispose of properly.

**Evacuation Procedures** None.

**Special Procedures** None.

### Section 7 • Handling and Storage

**Handling:** Wear appropriate protective equipment during handling. After handling, always wash hands thoroughly with soap and water.

**Storage:** Store container between 0°C (32°F) and 54°C (130°F)

**Precautions to be taken in handling and storage:** Be aware of spilled material on walking surfaces. Do not freeze. Do not ingest.

### Section 8 • Exposure Controls / Personal Protection

**Exposure Guidelines:**

Component	CASRN	OSHA TWA-PEL	OSHA STEL	ACGIH-TLV	ACGIH-STEEL	NIOSH REL
Alcohols, ethoxylated	Proprietary	Not Available	Not Available	Not Available	Not Available	Not Available



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**Engineering Controls:** Mists of LPS T-91 can be irritating to respiratory systems. Provide local and/or general exhaust ventilation or other engineering controls as needed.

**Personal Protection:**

**Eye protection** Safety glasses. Eye wash fountain and emergency shower facilities are recommended.

**Hand protection** Direct exposure to skin for extended periods can be irritating. Wear protective gloves (i.e., rubber, nitrile).

**Respiratory protection** A respirator is not needed under normal and intended conditions of product use. If operators must use LPS T-91 under poorly ventilated conditions, use of a filter mask or even an organic respirator may become necessary to prevent respiratory irritation.

**General Hygiene Considerations:** Wash hands thoroughly after handling.

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### Section 9 • Physical and Chemical Properties

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<b>Appearance:</b>	Clear liquid	<b>Color:</b>	Colorless
<b>Odor/Taste:</b>	Detergent	<b>Vapor Pressure:</b>	18 mmHg
<b>Solubility Description:</b>	Water soluble	<b>Evaporation Rate (Water=1):</b>	1
<b>Boiling Point:</b>	> 100°C (212°F)	<b>Flash Point (°C):</b>	None
<b>Specific Gravity (Water=1):</b>	1.035	<b>Flash Point Method:</b>	TCC
<b>Vapor Density (air=1):</b>	Not Established	<b>Auto Ignition Temperature (°C):</b>	Not Established
<b>Partition Coefficient (octanol/water):</b>	<0	<b>Viscosity:</b>	~5 cps
<b>V.O.C. Content:</b>	0 g/L per CARB/OTC	<b>pH:</b>	7.3 – 7.7
<b>Flammable limits (estimated):</b>	Not Established	<b>Volatiles:</b>	70-90%

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### Section 10 • Stability and Reactivity

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<b>Chemical Stability:</b>	Product is stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Extreme heat and freezing.
<b>Incompatibility:</b>	None under typical use circumstances. Reacts with substances that react with water.
<b>Hazardous Decomposition:</b>	None
<b>Hazardous Polymerization:</b>	Will not occur.



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### Section 11 • Toxicological Information

#### A: General Product Information

An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this preparation.

#### B: Component Analysis

Component	CASRN	LC-50	LD-50
Alcohols, Ethoxylated	Proprietary	Not Applicable	>2000 mg/kg/oral/rat

### Section 12 • Ecological Information

**Mobility:** Readily absorbed into soil. **Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential. **Other adverse effects:** None known.

#### Ecotoxicology:

Effect on Organisms	Component	CASRN	Test	Species	Results
Acute Toxicity on Fishes	Alcohols, ethoxylated	Proprietary	96-hr LC <sub>50</sub>	Rainbow Trout	70.7 mg/L
Acute Toxicity on Daphnia					No Data Available
Bacterial inhibition					
Growth inhibition of algae					
Bioaccumulation in fish					

### Section 13 • Disposal Considerations

**Waste Status:** None.

**Disposal:** Waste must be disposed of in accordance with federal, state, provincial, and local environmental control regulations.

**Note:** Chemical additions to, processing of, or otherwise altering this material may make this waste management information inaccurate, incomplete, or otherwise inappropriate.

### Section 14 • Transport Information

This material is not regulated by any mode of transportation.



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### Section 15 • Regulatory information

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#### U.S. Federal Regulations

**RCRA Hazardous Waste No.:** None

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** None

**Toxic Substances Control Act (TSCA):** All components of this product are TSCA inventory listed and/or are exempt.

**Superfund Amendments and Reauthorization Act (SARA) Title III**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:** None

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):** No individual section 313 component is present at or above 1%

**Section 112 Hazardous Air Pollutants (HAPs):** None

#### State Regulations

**New Jersey RTK:** Proprietary Mixture NJ TSRN 506301-9070

**California:** This product does not contain chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm.

**California and OTC States:** This product conforms to consumer regulations.

#### International Regulations

**Canadian Environmental Protection Act:** All of the components of this product are included on the Canadian Domestic Substances list (DSL).

**Canadian Workplace Hazardous Materials Information System (WHMIS):**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### WHMIS Classification:



#### HMIRC Registration:

Controlled Product Identifier: LPS T-91

Registration Number: 7665

Filing Date: May 14, 2009

#### Other Regulations

Montreal Protocol listed ingredients: None.

Stockholm Convention listed ingredients: None.

Rotterdam Convention listed ingredients: None.

RoHS Compliant: Yes.



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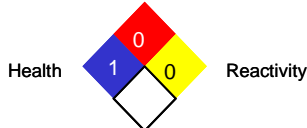
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### Section 16 • Other Information

MSDS#26301 Responsible Name: Clea Johnson Regulatory Affairs Coordinator	HMIS 1996		HMIS III		<b>NFPA</b>  Flammability  
	Health:	1	Health:	[/]1	
	Flammability:	0	Flammability:	0	
	Reactivity	0	Physical Hazard:	0	

**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.

Clea L Johnson, Regulatory Affairs Coordinator  
LPS Laboratories  
A division of Illinois Tool Works