



**LPS LABORATORIES**  
**MSDS**  
**MATERIAL SAFETY DATA SHEET**

**Section 1 - Product Identification and Use**

**Manufacturer's Name:**

LPS Laboratories

**Trade Name:**

LPS ZeroTri Super Cleaner/Degreaser

**Address:**

4647 Hugh Howell Road  
Tucker, GA 30085-5052

**Chemical Family:**

Aliphatic and Oxygenated Hydrocarbons

**Telephone Number:** 770-934-7800

**Part Numbers:**

03520, 03528, 03505, 03555

**Emergency Telephone Number:** 1-800-424-9300 Chemtrec

**Outside U.S.:** (703) 527-3887

**Hazardous Materials Description and proper shipping name (49 CFR 172.101):**

**Aerosol:** CONSUMER COMMODITY ORM-D

**Bulk:** Flammable liquid (Heptanes, Acetone), 3, UN 1993, PG II

**TSCA Inventory:**

All of the ingredients are listed on the TSCA inventory.

**HMIS Labeling:**

**Health:** 1

**Flammability:** 3

**Reactivity:** 0

**Section 2 - Hazardous Ingredients / Identity Information**

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
n-Heptane	142-82-5	25-40	400 ppm	400 ppm	500 ppm STEL
Acetone	67-64-1	25-40	750 ppm	750 ppm	1,000 ppm STEL
Methyl Cyclohexane	108-87-2	15-30	400 ppm	400 ppm	None
Carbon Dioxide (aerosol only)	124-38-9	4	10,000 ppm	5,000 ppm	30,000 ppm STEL
p-Amyl Acetate	628-63-7	2-5	100 ppm	100 ppm	None

**Section 3 - Physical / Chemical Characteristics**

**Boiling point (F°):**

> 133°F

0.753

**Specific gravity (H2O = 1):**

**Vapor pressure ( mmHg) @ 100° F:**

>75(~ 21\*)

**Percent volatile by volume (%):**

100

**Vapor density (Air = 1):**

Approx. 3.0

**Evaporation rate (n-butyl acetate=1):**

> 1

**Solubility in water:**

< 40%

**Appearance/Odor:** Clear, colorless liquid with mild fruity odor.

\*Calculated VOC Composite Partial Pressure per Rule 1171 of the South Coast Air Quality Management District (SCAQMD).

**Section 4 - Fire and Explosion Hazard**

**Flash point (method used): Bulk liquid:** 0° F TCC

**Flammable limits:**

LEL = 1.2

UEL = 12.8

**Extinguishing media:** Foam, Carbon Dioxide, Dry Chemical.

**Fighting procedures:** Wear self-contained breathing apparatus approved by NIOSH. Use water to keep containers cool.

**Unusual fire and explosive hazards:** Intense heat created by fire will cause aerosols to burst. Flammable vapors which are heavier than air may accumulate in low areas and/or spread along the ground away from handling site.

N.E. = Not Established

N.A. = Not Applicable

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## Section 5 - Health Hazard Data

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**Primary route(s) of entry:** Eyes, inhalation, skin.

**Health hazard/effects of over exposure:**

**Eyes:** Vapor and liquid may cause irritation.

**Skin:** Prolonged or repeated contact may cause drying of skin. Can be absorbed through skin.

**Inhalation:** Headache, light headedness, giddiness, central nervous system depression. May irritate mucosal tissue at high concentration.

**Ingestion:** Unlikely route of exposure. However, minute amounts aspirated into lungs during ingestion may cause chemical pneumonia. Can also cause severe gastrointestinal distress.

**Medical conditions aggravated by exposure:** Pre-existing eye, skin and respiratory disorders.

**Chemicals listed as potential carcinogen:** NTP: No IARC: No OSHA: No

**Emergency and first aid procedures:**

**Eyes:** Flush with plenty of cold water and contact physician.

**Skin:** Wash with soap and water; apply medicated skin cream.

**Inhalation:** Move to fresh air and contact physician. Administer oxygen if breathing is difficult.

**Ingestion:** Do not induce vomiting. Contact physician immediately

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## Section 6 - Reactivity Data

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**Stability:** Stable

**Conditions to avoid:** Open flames, electric arcs and other hot surfaces which may cause thermal decomposition.

**Incompatibility (Materials to avoid):** Oxygen and strong oxidizing agents.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, if burned.

**Hazardous polymerization:** Will not occur.

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## Section 7 - Precautions for Safe Handling and Use

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**Steps to be taken when material is released or spilled:** Evacuate area and ventilate. Remove leaking container and transfer remaining product to another vessel. Mop or soak up spill with absorbent material and transfer to disposal drums using non-sparking equipment. Store in closed containers. Do not flush product to sewer.

**Waste disposal methods:** Dispose of in accordance with federal, state and local regulations for flammable hydrocarbons or reclaim by distillation.

**RCRA Hazardous Waste No.:** This material has the RCRA characteristic of ignitability and if discarded in its purchased form, would have the hazardous waste number D001.

**CERCLA Reportable Quantity:** 1,000 lb.

**SARA TITLE III Chemicals:** None.

**Precautions to be taken in handling and storage:** Store aerosols below 120°F and above 32°F. Store away from ignition sources and avoid breathing vapors and prolonged skin contact. Vapors will collect in low areas. Use and store with adequate ventilation. Bond and ground during transfer of liquid.

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## Section 8 - Control Measures

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**Respiratory Protection:** None required if good ventilation is maintained. If vapor concentration rises above TLV, use NIOSH approved organic respirator or self-contained breathing apparatus.

**Ventilation:** Use adequate ventilation to maintain TLV and prevent accumulation of vapors in low lying areas.

**Protective Gloves:** Use solvent resistant gloves for liquid handling (Neoprene). Eye protection: Goggles if splashing is likely, safety glasses otherwise.

**Other protective equipment:** None.

**Work/hygienic practices:** Do not get in eyes, skin, or clothing. Wash hands with soap and water after use and/or before breaks, lunch, and at the end of work periods. Remove contaminated clothing and laundry before reuse.

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## Section 9 - Preparation Date of MSDS

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January 4, 2002

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Form # 2574