



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

**Section 1 - Product Identification and Use**

**Manufacturer's Name:**  
LPS Laboratories

LPS 3 Heavy-Duty

**Trade Name:**  
LPS 3 Heavy-Duty Rust Inhibitor

**Street Address:**  
4647 Hugh Howell Road

Rust Inhibitor

**Chemical Family:**  
Petroleum Hydrocarbons

**City, State, Zip:**  
Tucker, GA 30085-5052

**Part Numbers:**  
00316, 03128, 00305, 00355  
00322 - LPS 3 Trigger Spray

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

**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):**  
Compound, Boiler, Preserving Liquid NMFC 50093 SUB 2 BRL/BXS CL55  
CONSUMER COMMODITY ORM-D

**TSCA Inventory:**  
All of the ingredients are listed on the TSCA inventory.

**HMS Labeling:**  
**Health:** 1  
**Flammability:** 2  
**Reactivity:** 0

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

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Aliphatic Hydrocarbon	8052-41-3	70-80	100 ppm	100 ppm	None
Petroleum Oil (Severely hydro-treated)	64742-52-5	10-15	5mg/m3*	5mg/m3*	10 mg/m3* STEL
Dipropylene Glycol Monomethyl Ether	34590-94-8	2-3	100 ppm	100 ppm	150 ppm STEL
Carbon dioxide propellant (aerosol only)	124-38-9	2-3	10,000 ppm	5,000 ppm	30,000 ppm STEL
* Oil mist					

**Section 3 - Physical / Chemical Characteristics**

<b>Boiling point: (F°):</b>	315°F	<b>Specific gravity (H2O = 1):</b>	.830
<b>Vapor pressure ( mmHg) @100°F :</b>	<5	<b>Percent volatile by volume (%):</b>	75
<b>Vapor density (Air = 1):</b>	4.8 - 5.3	<b>Evaporation rate (n-Butyl Acetate = 1):</b>	.12
<b>Solubility in water:</b>	Nil		
<b>Appearance and odor:</b> Dark brown liquid with sweet, mild odor.			

**Section 4 - Fire and Explosion Hazard**

**Flash point (method used):** 105°F TCC      **Flammable limits (of diluent):** LEL 0.7%      UEL 6.0%

**Extinguishing media:** Foam, dry chemical, or carbon dioxide. Do not use a direct stream of water.

**Special fire fighting procedures:** Self-contained breathing apparatus should be provided to fire fighters. Water fog may be used to cool closed containers.

**Unusual fire and explosive hazards:** Intensive heat created by fire will cause aerosols to burst.

**Section 5 - Health Hazard Data**

**Primary route(s) of entry:** Inhalation, eyes, skin.

**Health hazard/effects of over exposure:**  
**Inhalation:** Headache, dizziness, nausea and anesthetic effects.

N.E. = Not established  
N.A. = Not applicable

**Eyes:** Irritation.

**Skin:** Repeated or prolonged contact may cause drying and defatting of skin.

**Ingestion:** Low order of oral toxicity; however minute amount aspirated into lungs during ingestion may cause severe pulmonary injury.

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

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

**Emergency and first aid procedures:**

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

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

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

**Ingestion:** Contains aliphatic hydrocarbons and petroleum oil. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Contact physician immediately.

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## Section 6 - Reactivity Data

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**Stability:** Stable **Conditions to avoid:** Avoid sparks or open flames. See handling and storage precautions.

**Incompatibility (Materials to avoid):** Strong oxidizing agents.

**Hazardous decomposition products:** Thermal decomposition may yield carbon monoxide.

**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 in case material is released or spilled:** Ventilate area by opening doors and windows. Remove ignition sources. Remove leaking container and transfer remaining product to another vessel. Prevent product from going into sewers and water sources by diking or impounding. Using appropriate safety equipment, mop up or soak up with absorbent material, such as sand or clay.

**Waste disposal methods:** Dispose of in accordance with local, state and federal regulations for petroleum distillates.

**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:** N.A.

**SARA TITLE III Chemicals:** None

**Precautions to be taken in handling and storage:** Store aerosols below 120°F and above 32°F. Store bulk below 150°F and above 32°F. Store away from ignition sources and avoid breathing vapors.

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## Section 8 - Control Measures

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**Respiratory Protection:** None required if good ventilation is maintained. For enclosed areas, use NIOSH approved organic vapor cartridge respirator or self-contained breathing apparatus.

**Ventilation:** Local exhaust is usually adequate. However, mechanical ventilation should be used when spraying in enclosed areas. Vapor concentration should be minimized as much as possible.

**Protective gloves:** Use solvent resistant gloves for liquid handling.

**Eye protection:** For spraying or splashing of solvent, use face shield or goggles.

**Other protective equipment:** As necessary to prevent prolonged or repeated skin contact.

**Work/hygienic practices:** Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

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## Section 9 - Preparation Date of MSDS

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The foregoing technical information and recommendations are compiled from sources that are believed to be accurate and reliable. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The purchaser is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

March 6, 2002

Fred Fugitt, Technical Services Chemist

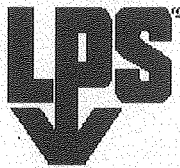
Ed Williams, Manager of Research and Development

LPS Laboratories

ITW

Form # 2502

MSDS LPS 3 Heavy-Duty Rust Inhibitor



## LPS Laboratories

P.O. Box 105052 • 4647 Hugh Howell Road • Tucker, GA 30085-5052 U.S.A.  
TEL: 800-241-8334 or 770-243-8800 • FAX: 800-543-1563 or 770-243-8899

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Dear LPS Customer,

On April 28, 2004 (lot number 4119) LPS implemented a raw material substitution for LPS 3 that should successfully resolve longstanding issues with aerosol can "sprayability." These changes have in no way compromised the character of LPS 3 but have enhanced its ability to provide corrosion protection for both industrial and aerospace metals. Due to slight changes in composition, changes were made to our material safety data sheet. Enclosed is the current version and the previous version.

If you need additional information, please contact us.

Sincerely,

Ed Williams  
Manager of Research and Development  
LPS Laboratories