



LPS LABORATORIES, INC.

MATERIAL SAFETY DATA SHEET

Section 1 • Product Identification and Use

Manufacturer's Name:
LPS Laboratories, Inc.

Address (Number Street)
4647 Hugh Howell Road

Address (City, State, Zip)
Tucker, GA 30085-5052

Telephone Number: 404-934-7800

Emergency Telephone Number:
1-800-424-9300 Chemtrec
Outside U.S. (202) 887-1255

Trade Name:
LPS 3 Heavy Duty Rust Inhibitor

Chemical Family:
Petroleum Hydrocarbons

Part Numbers:
00037, 00316, 03128, 00305, 00355

Manufacturer's D-U-N-S No.:
04-221-6549

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.

HMIS Labeling:

Health:	1
Flammability:	2
Reactivity:	0

Section 2 • Hazardous Ingredients / Identity Information

Ingredients	Cas Numbers	%WW	OSHA PEL	ALGIH TLV	OTHER LIMITS
Aliphatic Hydrocarbon	64742-88-7	70-80	500 ppm	100 ppm	None
Petroleum Oil (Severely hydro-treated)	70592-78-8	10-15	5mg/m ³ *	5mg/m ³ *	10 mg/m ³ * 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	5,000 ppm	5,000 ppm	30,000 ppm STEL

* Oil mist

Section 3 • Physical / Chemical Characteristics

Boiling point: (F°):	315°F	Specific gravity (H₂O = 1):	0.830
Vapor pressure (mmHg) @100°F:	<5	Percent volatile by volume (%):	75
Vapor density (Air = 1)	4.8 - 5.3	Evaporation rate (n-Butyl Acetate = 1):	.12
Solubility in water:	Nil		

Appearance and odor: Dark brown liquid with sweet, mild odor.

Section 4 • Fire and Explosion Hazard

Flash point (method used): 112°F TCC	Flammable limits (of diluent):	LEL	UEL
		0.7%	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.

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

N.E. = Not established

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.

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.

Section 6 • Reactivity Data

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.

Section 7 • Precautions for Safe Handling and Use

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 150KF and above 32°F. Store away from ignition sources and avoid breathing vapors.

Section 8 • Control Measures

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/hygiene 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.

May 13, 1991

John Roudebush, Director of Research and Development
LPS Laboratories, Inc.

Form # 2501
LPS 3 Rust Inhibitor