

1. Identification

SAFETY DATA SHEET

1. Identification		
Product identifier	LPS® DETEX® Foodlube® Penetrating Oil	
Other means of identification		
Part Number	57316	
Recommended use	A spray lubricant designed to displace moisture from mechanical and electrical equipment and provide a light-duty lubrication in food processing applications.	
Recommended restrictions	None known.	
Manufacturer/Importer/Suppli	er/Distributor information	
Manufacturer		
Manufacturer		
Company name	ITW Pro Brands	
Address	4647 Hugh Howell Rd.	
	Tucker, GA 30084	
Country	(U.S.A.)	
	Tel: +1 770-243-8800	
In Case of Emergency	1-800-424-9300 (inside U.S.)	
	+001 703-527-3887 (outside U.S.)	
Website	www.itwprobrands.com	
E-mail	lpssds@itwprobrands.com	
2. Hazard(s) identification	on	
Physical hazards	Flammable aerosols	Category 1
	Gases under pressure	Compressed gas
Health hazards	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	
Label elements		
Signal word	Danger	
Hazard statement	Extremely flammable aerosol. Pressurized container: May burst if heated. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways.	
Precautionary statement		
Prevention	Keep away from heat/sparks/open f flame or other ignition source. Do no	lames/hot surfaces. No smoking. Do not spray on an open ot pierce or burn, even after use.
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting.	
Storage	Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	Combustible.	
Supplemental information	None known.	
3 Composition/informat		

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
1-Decene Homopolymer		68037-01-4	20 - 30
1-Decene, Dimer, Hydrogenated		68649-11-6	20 - 30

Chemical name	Common name and synonyms	CAS number	%
Naphtha, Petroleum, Hydrotreated Heavy		64742-48-9	20 - 30
Distillates Petroleum Hydrotreated Light		64742-47-8	10 - 20
carbon dioxide		124-38-9	1 - 3
Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates		80939-62-4	0.1 - 1
N-oleoyl-sarcoside		110-25-8	0.1 - 1
Octylated/Butylated Diphenylamine		68411-46-1	0.1 - 1
Polytetrafluoroethylene		9002-84-0	0.1 - 1
Other components below reportable levels			0.07

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	No specific first aid measures noted.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without advice from poison control center.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED. In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Do not direct water at source of leak or safety devices as icing may occur. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Extremely flammable gas. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Combustible.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. If possible, turn leaking containers so that gas escapes rather than liquid. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not smoke. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. When moving cylinders, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow backfeed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat and sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage.

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

U.S OSHA			
Components	Туре	Value	Form
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)	PEL	5 mg/m3	Oil mist
US. OSHA Table Z-1 Limits for Air C	ontaminants (29 CFR 1910	.1000)	
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
US. California Code of Regulations,	Title 8, Section 5155. Airbo	orne Contaminants	
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
	STEL	54000 mg/m3	
		30000 ppm	
ACGIH			
Components	Туре	Value	Form
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)	TWA	5 mg/m3	Oil mist
US. ACGIH Threshold Limit Values			
Components	Туре	Value	
carbon dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	

US. NIOSH: Pocket Guide Components	to Chemical Hazards Type	Value
carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m3
		30000 ppm
	TWA	9000 mg/m3
		5000 ppm
iological limit values	No biological exposure limits noted f	or the ingredient(s).
ppropriate engineering ontrols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.	
ndividual protection measures Eye/face protection	s, such as personal protective equipn Wear safety glasses with side shield	
Skin protection		
Hand protection	Wear appropriate chemical resistant	gloves.
Other	Wear suitable protective clothing.	
Respiratory protection	In case of insufficient ventilation, we	ar suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.
eneral hygiene onsiderations		bserve good personal hygiene measures, such as washing e eating, drinking, and/or smoking. Routinely wash work remove contaminants.

9. Physical and chemical properties

Physical state	Gas.
Form	Aerosol. Compressed gas.
Color	Clear.
Odor	Characteristic.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 338 °F (> 170 °C)
Flash point	140.0 °F (60.0 °C) Tag Closed Cup - dispensed liquid
Evaporation rate	Not available.
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or exp	
Explosive limit - lower (%)	0.6 %
Explosive limit - upper (%)	Not available.
Vapor pressure	< 1 mm Hg @ 20°C
Vapor density	> 1
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 392 °F (> 200 °C)
Decomposition temperature	Not available.
Viscosity	< 14 cSt
Viscosity temperature	77 °F (25 °C)
Other information	
Explosive properties	Not explosive.
Heat of combustion	> 30 kJ/g

Oxidizing properties	Not oxidizing.
Percent volatile	20 - 30 %
Specific gravity	0.8 - 0.87 @ 20°C
VOC	24 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms related to the physical, chemical and toxicological characteristics	Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

cute toxicity May be fatal if swallowed and enters airways.		d enters airways.
Components	Species Test Results	
1-Decene Homopolymer (0	CAS 68037-01-4)	
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	0.9 mg/l, 4 Hours
Oral		
LD50	Rat	> 2000 mg/kg
1-Decene, Dimer, Hydroge	enated (CAS 68649-11-6)	
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Oral		
LD50	Rat	> 2000 mg/kg
Amines, C11-14-branched	alkyl, monohexyl and dihexyl phosph	ates (CAS 80939-62-4)
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Distillates Petroleum Hydro	otreated Light (CAS 64742-47-8)	
<u>Acute</u>		
Dermal		
LD50	Rabbit	> 2000 mg/kg

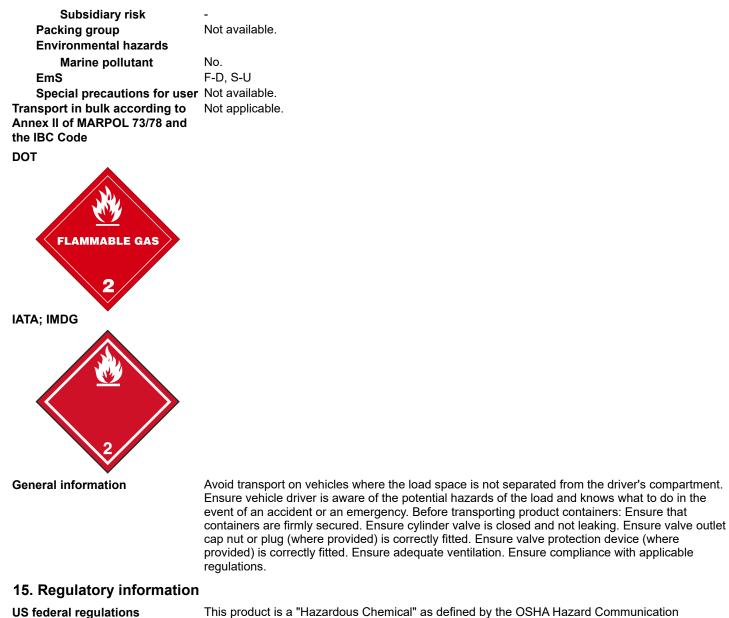
Components	Species	Test Results
Inhalation		
Vapor		
LC50	Rat	> 0.1 mg/l, 8 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Naphtha, Petroleum, Hydrotreatec <u>Acute</u>	l Heavy (CAS 64742-48-9)	
Dermal		
LD50	Rabbit	> 1900 mg/kg, 24 Hours
Inhalation		
Vapor		
LC50	Rat	> 5 mg/l, 4 Hours
Oral	D-t	4000
LD50	Rat	4800 mg/kg
N-oleoyl-sarcoside (CAS 110-25-8	3)	
<u>Acute</u> Oral		
Oral LD50	Rat	> 5000 mg/kg
Octylated/Butylated Diphenylamin		- 0000 mg/kg
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritati	on
Serious eye damage/eye	Direct contact with eyes may cause temporary irritation.	
irritation		
Respiratory or skin sensitization	1	
Respiratory sensitization	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to cause skin sensitiza	tion.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
IARC Monographs. Overall	Evaluation of Carcinogenicity	
	CAS 9002-84-0) 3 Not classifiable as d Substances (29 CFR 1910.1001-1053)	to carcinogenicity to humans.
•••	ogram (NTP) Report on Carcinogens	
Not listed.	This product is not expected to source reproductive	or developmental offects
Reproductive toxicity Specific target organ toxicity -	This product is not expected to cause reproductive on Not classified.	
single exposure		
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	May be fatal if swallowed and enters airways.	
Chronic effects	Prolonged or repeated exposure may cause lung in	jury.
Further information	Symptoms may be delayed.	
12. Ecological information	1	
Ecotoxicity	The product is not classified as environmentally haz possibility that large or frequent spills can have a ha	

Components		Species	Test Results
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)			
Aquatic			
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	2.2 mg/l, 4 days
Persistence and degradability			
Bioaccumulative potential			
Partition coefficient n-octar LPS® DETEX® Foodlube® P		Kow) < 1	
Mobility in soil	Not established.		
Other adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.		
13. Disposal consideration	ns		
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
	D003: Waste	Reactive material	
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.		

14. Transport information

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DOT	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not available.
Special precautions for user	Not available.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not available.
Environmental hazards	No.
ERG Code	10L
Special precautions for user	Not available.
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1



This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

TSCA Chemical Action Plans, Chemicals of Concern

Polytetrafluoroethylene (CAS 9002-84-0)

Long-Chain Perfluorinated Chemicals (PFCs) Action Plan

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.	
SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Flammable (gases, aerosols, liquids, or solids) Gas under pressure Aspiration hazard

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

US. New Jersey Worker and Community Right-to-Know Act

carbon dioxide (CAS 124-38-9)

International Inventories

Country(s) or region Australia	Inventory name Australian Inventory of Industrial Chemicals (AICIS)	On inventory (yes/no) * Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	05-17-2022
Revision date	05-17-2022
Version #	02
Disclaimer	ITW Pro Brands cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Revision information	Product and Company Identification: Alternate Trade Names Hazard(s) identification: Hazard statement Hazard(s) identification: Disposal Hazard(s) identification: Response Hazard(s) identification: Storage Composition / Information on Ingredients: Disclosure Overrides First-aid measures: Ingestion Physical & Chemical Properties: Multiple Properties Regulatory Information: Risk Phrases - Labeling GHS: Classification