PROBRANDS

SAFETY DATA SHEET

1. Identification

Product identifier LPS® DETEX® Food Grade Chain Lubricant

Other means of identification

Part Number 06016

Recommended use A food grade chain lubricant for parts and equipment.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/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

Physical hazards Flammable aerosols Category 2

Gases under pressure Liquefied gas Skin corrosion/irritation Category 2

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Health hazards



Signal word Warning

Hazard statement Flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open

flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

Wash thoroughly after handling. Wear protective gloves.

Response If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it

before reuse.

Storage Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding

50°C/122°F.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise

classified (HNOC)

Combustible.

Supplemental information None known.

3. Composition/information on ingredients

Mixtures

Material name: LPS® DETEX® Food Grade Chain Lubricant

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Common name and synonyms	CAS number	<u></u>
	8042-47-5	60 - 70
	9003-29-6	20 - 30
	68476-86-8	10 - 20
	64742-49-0	1 - 5
	110-54-3	< 0.1
	109-66-0	< 0.1
	Common name and synonyms	8042-47-5 9003-29-6 68476-86-8 64742-49-0 110-54-3

^{*}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.

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get Skin contact

medical advice/attention. Wash contaminated clothing before reuse.

Rinse with water. Get medical attention if irritation develops and persists. Eye contact

Ingestion Not likely, due to the form of the product. In the unlikely event of swallowing contact a physician or

poison control center. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Skin irritation. May cause redness and pain. Most important symptoms/effects, acute and

delayed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Indication of immediate Symptoms may be delayed.

medical attention and special treatment needed **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

Unsuitable extinguishing media

Specific hazards arising from the chemical

Special protective equipment and precautions for firefighters

Fire fighting

equipment/instructions

Specific methods

General fire hazards

Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. 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. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. Will burn if involved in a fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. 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. This product is miscible in water. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Close valve after each use and when empty. Protect containers from physical damage; do not drag, roll, slide, or drop. When moving containers, even for short distances, use a cart (trolley, hand truck, etc.) designed to transport containers. 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. Do not re-use empty containers. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Level 3 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

HE OCHY

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.

Components	Туре	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Oil mist.
US. OSHA Table Z-1 Limits for Air	r Contaminants (29 CFR 1910.	1000)	
Components	Type	Value	
N-hexane (CAS 110-54-3)	PEL	1800 mg/m3	
		500 ppm	
pentane (CAS 109-66-0)	PEL	2950 mg/m3	
		1000 ppm	
US. California Code of Regulation	ns. Title 8. Section 5155. Airbo	rne Contaminants	
Components	Туре	Value	
N-hexane (CAS 110-54-3)	PEL	180 mg/m3	
		50 ppm	
pentane (CAS 109-66-0)	PEL	1800 mg/m3	
		600 ppm	
ACGIH			
Components	Туре	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Value Components	es Type	Value	
N-hexane (CAS 110-54-3)	TWA	50 ppm	
pentane (CAS 109-66-0)	TWA	1000 ppm	
U.S NIOSH Components	Туре	Value	Form
White Mineral Oil (CAS 8042-47-5)	TWA	5 mg/m3	Mist.
US. NIOSH: Pocket Guide to Cher	mical Hazards		
Components	Туре	Value	
N-hexane (CAS 110-54-3)	TWA	180 mg/m3	
		50 ppm	
pentane (CAS 109-66-0)	Ceiling	1800 mg/m3	
		610 ppm	
	TWA	350 mg/m3	
		120 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
N-hexane (CAS 110-54-3)	0.5 mg/l	2,5-Hexanedio ne, without hydrolysis	Urine	*

^{* -} For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

N-hexane (CAS 110-54-3)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

N-hexane (CAS 110-54-3) Danger of cutaneous absorption

Appropriate engineering

controls

Good general ventilation 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. Provide eyewash station and safety

shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Nitrile gloves are recommended.

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

air-supplied respirator.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Gas.

Form Aerosol. Liquefied gas.
Color Clear. Colorless.
Odor Mild. Hydrocarbon-like.

Odor threshold Not established

Not applicable pН Melting point/freezing point Not established 345.2 °F (174 °C)

Initial boiling point and boiling

range

-20.0 °F (-28.9 °C) Tag Closed Cup (dispensed liquid)

Evaporation rate ~8.1

Flammability (solid, gas) Flammable gas. Upper/lower flammability or explosive limits

Flammability limit - lower

1 % (estimated)

(%)

Flash point

Flammability limit - upper

9.5 % (estimated)

(%)

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available.

Vapor pressure 2782 mm Hg @ 20°C

Vapor density ~3 (air=1) Not available. Relative density

Solubility(ies)

Not soluble in water Solubility (water) Partition coefficient Not established

(n-octanol/water)

> 509 °F (> 265 °C) **Auto-ignition temperature Decomposition temperature** Not established **Viscosity** 164 cP @ 25°C

Other information

Explosive properties Not explosive. > 30 kJ/qHeat of combustion **Oxidizing properties** Not oxidizing. Percent volatile 15 - 20 %

Specific gravity 0.85 - 0.87 @ 20°C

VOC 17.7 % per State and Federal Consumer Product Regulations

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 Hazardous polymerization does not occur.

reactions

Conditions to avoid Heat. 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

Prolonged inhalation may be harmful. Inhalation

Skin contact Causes skin irritation.

Eve contact Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic. Not expected to be acutely toxic.

Components Species Test Results

Hydrocarbons, C7, N-Alkanes, Isoalkanes, Cyclics (CAS 64742-49-0)

<u>Acute</u>

Dermal

LD50 Rabbit > 1900 mg/kg, 24 Hours

Oral

LD50 Rat > 2000 mg/kg

N-hexane (CAS 110-54-3)

<u>Acute</u>

Dermal

LD50 Rabbit > 2000 mg/kg, 4 Hours

Inhalation

Vapor

LC50 Rat > 32 mg/l, 4 Hours

Oral

LD50 Rat 29000 mg/kg

pentane (CAS 109-66-0)

Acute

Inhalation

Vapor

LC50 Rat > 25 mg/l, 4 Hours

Oral

LD50 Rat > 2000 mg/kg

Polybutene (Isobutylene/butene copolymer) (CAS 9003-29-6)

Acute

Dermal

LD50 Rat > 2000 mg/kg, 24 Hours

Inhalation

Vapor

LC50 Rat > 3.8 mg/l, 7 Hours

Oral

LD50 Rat > 2000 mg/kg

White Mineral Oil (CAS 8042-47-5)

Acute Dermal

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat 2.2 mg/l, 4 Hours

Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo 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.

Material name: LPS® DETEX® Food Grade Chain Lubricant 06016 Version #: 01 Issue date: 02-25-2022

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not likely, due to the form of the product.

Chronic effects Prolonged inhalation may be harmful.

Further information None known.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components Species Test Results

N-hexane (CAS 110-54-3)

Aquatic Acute

Fish LC50 Fathead minnow (Pimephales promelas) 2.101 - 2.981 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

N-hexane 3.9 pentane 3.39

Mobility in soilNot established.Other adverse effectsNone known.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Incinerate the material under controlled conditions in an approved incinerator. If discarded, this product is considered a RCRA ignitable waste, D001. 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 D001: Waste Flammable material with a flash point <140 F

D003: Waste Reactive material

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

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. Do not re-use empty containers.

14. Transport information

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 Read safety instructions, SDS and emergency procedures before handling.

Special provisions N82
Packaging exceptions 306
Packaging bulk None

IATA

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 Read safety instructions, SDS and emergency procedures before handling.

Not applicable.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only Allowed with restrictions.

IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)

Class 2 Subsidiary risk -

Packing group Not available.

Environmental hazards

Marine pollutant No. EmS F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and

the IBC Code

DOT







General information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations

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.

CERCLA Hazardous Substance List (40 CFR 302.4)

N-hexane (CAS 110-54-3) 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

Skin corrosion or irritation

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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

N-hexane (CAS 110-54-3)

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

pentane (CAS 109-66-0)

Safe Drinking Water Act

Contains component(s) regulated under the Safe Drinking Water Act.

(SDWA)

US state regulations

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

N-hexane (CAS 110-54-3) pentane (CAS 109-66-0)

California Proposition 65



WARNING: 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. For

more information go to www.P65Warnings.ca.gov.

N-hexane (CAS 110-54-3) Listed: December 15, 2017

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

Hydrocarbons, C7, N-Alkanes, Isoalkanes, Cyclics (CAS 64742-49-0)

California Proposition 65 - CRT: Listed date/Male reproductive toxin

N-hexane (CAS 110-54-3)

Petroleum Gases, Liquefied, Sweetened (CAS 68476-86-8)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No

Country(s) or region Inventory name On inventory (yes/no)*

 Korea
 Existing Chemicals List (ECL)
 No

 New Zealand
 New Zealand Inventory
 No

Philippines Philippine Inventory of Chemicals and Chemical Substances

(PICCS)

Taiwan Taiwan Chemical Substance Inventory (TCSI)

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 02-25-2022

Version # 01

Disclaimer 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. 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.

Revision information Product and Company Identification: Alternate Trade Names

Material name: LPS® DETEX® Food Grade Chain Lubricant

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No