

SAFETY DATA SHEET

1. Identification

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|---|--|
| Product identifier | LPS® Magnum |
| Other means of identification | |
| Part Number | 00616 |
| Recommended use | A specialized lubricant designed to reduce friction, heat, noise and wear between moving parts and to loosen rusted or immovable parts and mechanisms. |
| 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.lpslabs.com |
| E-mail | lpssds@itwprobrands.com |

2. Hazard(s) identification

| | | |
|------------------------------|--|------------------------------|
| Physical hazards | Flammable aerosols Gases under pressure | Category 1 Compressed gas |
| Health hazards | Not classified. | |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



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| Signal word | Danger |
| Hazard statement | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. |
| Precautionary statement | |
| Prevention | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. |
| Response | Wash hands after handling. |
| Storage | Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| 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/information on ingredients

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|------------|---------|
| Distillates Petroleum Hydrotreated Light | | 64742-47-8 | 40 - 50 |
| Petroleum Oil | | 64742-52-5 | 30 - 40 |
| Calcium Alkyl naphthalenesulfonate | | 57855-77-3 | 1 - 5 |
| Distillates, petroleum, solvent-refined light paraffinic | | 64741-89-5 | 1 - 5 |
| Carbon Dioxide | | 124-38-9 | 1 - 3 |
| Dipropylene Glycol Monomethyl Ether | | 34590-94-8 | 1 - 3 |
| Methyl Oleate | | 67762-26-9 | 1 - 3 |

4. First-aid measures

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| 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 | Not likely, due to the form of the product. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause temporary irritation. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. |
| General information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

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| Suitable extinguishing media | Water fog. Alcohol resistant foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| Fire fighting equipment/instructions | 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. |
| Specific methods | 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. |
| General fire hazards | Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame. |

6. Accidental release measures

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| 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. Use personal protection recommended in Section 8 of the SDS. |
| 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. 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. 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. Do not re-use empty containers. 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 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

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 | Type | Value | Form |
|---|------|---------|----------|
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) | PEL | 5 mg/m3 | Oil mist |
| Petroleum Oil (CAS 64742-52-5) | PEL | 5 mg/m3 | Oil mist |

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|--|------|--------------------------------------|
| Carbon Dioxide (CAS 124-38-9) | PEL | 9000 mg/m3 |
| Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) | PEL | 5000 ppm 600 mg/m3 100 ppm |

ACGIH

| Components | Type | Value | Form |
|---|------|---------|----------|
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) | TWA | 5 mg/m3 | Oil mist |
| Petroleum Oil (CAS 64742-52-5) | TWA | 5 mg/m3 | Oil mist |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--|------|-----------|
| Carbon Dioxide (CAS 124-38-9) | STEL | 30000 ppm |
| Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) | TWA | 5000 ppm |
| | STEL | 150 ppm |
| | TWA | 100 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|-------------------------------|------|-------------------------------------|
| Carbon Dioxide (CAS 124-38-9) | STEL | 54000 mg/m3 |
| | TWA | 30000 ppm 9000 mg/m3 5000 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|--|------|---------------------------------|
| Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) | STEL | 900 mg/m3 |
| | TWA | 150 ppm 600 mg/m3 100 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines**US - California OELs: Skin designation**

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US - Tennessee OELs: Skin designation

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

Appropriate engineering controls 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.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear suitable protective clothing.

Respiratory protection If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an 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.

Color Brown.

Odor Mild. Sweet.

Odor threshold Not available.

pH Not applicable

Melting point/freezing point Not established

Initial boiling point and boiling range 383 °F (195 °C)

Flash point 174.2 °F (79.0 °C) Tag Closed Cup - dispensed liquid

Evaporation rate < 0.1 BuAc

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) 0.6 %

Flammability limit - upper (%) 7 %

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| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | < 0.05 mm Hg @ 20°C |
| Vapor density | 4.7 (air = 1) |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | < 4 % |
| Partition coefficient (n-octanol/water) | < 1 |
| Auto-ignition temperature | > 442.4 °F (> 228 °C) |
| Decomposition temperature | Not available. |
| Viscosity | < 7 cSt @ 25°C |
| Other information | |
| Explosive properties | Not explosive. |
| Heat of combustion | > 30 kJ/g |
| Oxidizing properties | Not oxidizing. |
| Specific gravity | 0.85 - 0.87 @ 20°C |
| VOC | 2.9 % per U.S. State and Federal Consumer Product Regulations |

10. Stability and reactivity

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| 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 | 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

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| 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 | Expected to be a low ingestion hazard. |

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| Symptoms related to the physical, chemical and toxicological characteristics | Direct contact with eyes may cause temporary irritation. |
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Information on toxicological effects

Acute toxicity

| Components | Species | Test Results |
|---|---------|-------------------|
| Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rat | > 20 ml/kg, Hours |
| Oral | | |
| LD50 | Rat | 5.4 ml/kg |
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |

| Components | Species | Test Results |
|---|--|---------------------|
| Inhalation | | |
| <i>Vapor</i> | | |
| LC50 | Rat | > 4.5 mg/l, 4 Hours |
| Distillates, petroleum, solvent-refined light paraffinic (CAS 64741-89-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Oral | | |
| LD50 | Rat | > 2000 mg/kg |
| Methyl Oleate (CAS 67762-26-9) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Petroleum Oil (CAS 64742-52-5) | | |
| Acute | | |
| Dermal | | |
| LD50 | Rabbit | > 2000 mg/kg |
| Inhalation | | |
| LC50 | Rat | > 3.9 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | > 2000 mg/kg |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not a respiratory sensitizer. | |
| Skin sensitization | This product is not expected to cause skin sensitization. | |
| 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 | | |
| Not listed. | | |
| OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | | |
| Not regulated. | | |
| 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 | This product has no known adverse effect on human health. | |
| 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 |
|---|---|--|
| Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) | | |
| Aquatic | | |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) |
| | | 2.9 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) | | |
| LPS® Magnum | | < 1 |
| Mobility in soil | No data available. | |
| Other adverse effects | None 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. 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. 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 non bulk | None | |
| Packaging bulk | None | |
| IATA | | |
| 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. | |
| Environmental hazards | No. | |
| Special precautions for user | Read safety instructions, SDS and emergency procedures before handling. | |
| Other information | | |
| Passenger and cargo aircraft | Allowed with restrictions. | |
| Cargo aircraft only | Allowed with restrictions. | |
| IMDG | | |
| 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.**Environmental hazards****Marine pollutant** No.**EmS** Not available.**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to** Not applicable.**Annex II of MARPOL 73/78 and****the IBC Code****DOT****IATA; IMDG****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.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes**SARA 313 (TRI reporting)**

Not regulated.

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 (SDWA) Not regulated.**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))

Distillates, petroleum, solvent-refined light paraffinic (CAS 64741-89-5)

Petroleum Oil (CAS 64742-52-5)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| 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** 08-16-2015**Revision date** 08-30-2017**Version #** 04**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

Hazard(s) identification: Hazard statement

Hazard(s) identification: Response

Composition / Information on Ingredients: Disclosure Overrides

Ecological information: Ecotoxicity

Regulatory Information: Risk Phrases - Labeling

GHS: Classification