SAFETY DATA SHEET

1. Identification

Product identifier: LPS® PF® Solvent
Other means of identification:
Part Number: 61400, 61410
Recommended use:
A solvent agent designed for removing grease, oil and other residues from metal, power cable and fiber optic cable surfaces. (Pre-saturated wipe)
Recommended restrictions:
None known.
Manufacturer/Importer/Supplier/Distributor information
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 liquids Category 4
Health hazards: Sensitization, skin Category 1
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.
Label elements

Signal word:
Warning
Hazard statement:
Combustible liquid. May cause an allergic skin reaction.
Precautionary statement
Prevention:
Keep away from flames and hot surfaces-No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.
Response:
If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.
Storage:
Store in a well-ventilated place. Keep cool.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information:
None known.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha, Petroleum, Hydrotreated Heavy</td>
<td>64742-48-9</td>
<td>90 - 100</td>
<td></td>
</tr>
</tbody>
</table>
### 4. First-aid measures

**Inhalation**
Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**
Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

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

**Ingestion**
Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash.

**Most important symptoms/effects, acute and delayed**
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**Indication of immediate medical attention and special treatment needed**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

**Suitable extinguishing media**
Water fog. Alcohol resistant foam. Dry chemical powder. 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**
The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. 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. Move containers from fire area if you can do so without risk.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**
Combustible liquid.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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**
Mechanically pick up material and place in a proper container for disposal.

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

### 7. Handling and storage

**Precautions for safe handling**
Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**
Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 8. Exposure controls/personal protection

**Occupational exposure limits**
This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

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

**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**
Not normally needed. Avoid contact with eyes.
Skin protection

Hand protection
Wear appropriate chemical resistant gloves.

Other
Avoid contact with the skin. Wear appropriate chemical resistant clothing.

Respiratory protection
No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards
Not applicable.

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. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state
Solid.

Form
Liquid saturated on wipe.

Color
Not available.

Odor
Orange.

Odor threshold
Not available.

pH
Not applicable

Melting point/freezing point
Not available.

Initial boiling point and boiling range
365 °F (185 °C) @ 760 mm Hg

Flash point
> 141.8 °F (> 61.0 °C) Tag Closed Cup

Evaporation rate
< 0.1 BuAc = 1

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
0.7 %

Flammability limit - upper (%)
5.3 %

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
0.48 mm Hg @ 20°C

Vapor density
> 1 (air = 1)

Relative density
Not available.

Solubility(ies)

Solubility (water)
Negligible

Partition coefficient (n-octanol/water)
Not Determined

Auto-ignition temperature
635 °F (335 °C)

Decomposition temperature
Not available.

Viscosity
1.5 cSt @ 25°C

Other information

Explosive properties
Not explosive.

Oxidizing properties
Not oxidizing.

Percent volatile
100 %

Specific gravity
0.74 - 0.78 @20°C

VOC
100 % per US State and Federal Consumer Product Regulations CARB

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  
No dangerous reaction known under conditions of normal use.

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  
No adverse effects due to inhalation are expected.

Skin contact  
May cause an allergic skin reaction.

Eye contact  
Direct contact with eyes may cause temporary irritation.

Ingestion  
Expected to be a low ingestion hazard. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics  
Direct contact with eyes may cause temporary irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity  
May cause allergic skin reaction.

Components  
Species  
Test Results

d-limonene (CAS 5989-27-5)

Acute

Oral  
LD50  
Rat  
> 2000 mg/kg

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

Acute

Dermal  
LD50  
Rabbit  
> 1900 mg/kg, 24 Hours

Inhalation

Vapor  
LC50  
Rat  
> 4.96 mg/l, 4 Hours

Oral  
LD50  
Rat  
4820 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  
May cause an allergic skin reaction.

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

d-limonene (CAS 5989-27-5)  
3 Not classifiable as to carcinogenicity to humans.

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.

Further information
Symptoms may be delayed.

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-limonene (CAS 5989-27-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia pulex)</td>
<td>69.6 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
<td>0.619 - 0.796 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Partition coefficient n-octanol / water (log Kow)</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-limonene</td>
</tr>
<tr>
<td>4.232</td>
</tr>
</tbody>
</table>

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. 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.

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

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

15. Regulatory information

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

<table>
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<tr>
<th>Regulations</th>
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<tbody>
<tr>
<td>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</td>
</tr>
<tr>
<td>Not regulated.</td>
</tr>
<tr>
<td>CERCLA Hazardous Substance List (40 CFR 302.4)</td>
</tr>
<tr>
<td>Not listed.</td>
</tr>
<tr>
<td>SARA 304 Emergency release notification</td>
</tr>
<tr>
<td>Not regulated.</td>
</tr>
<tr>
<td>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</td>
</tr>
<tr>
<td>Not regulated.</td>
</tr>
</tbody>
</table>
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - Yes
- Pressure Hazard - No
- 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))
  Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)

International Inventories

Country(s) or region    Inventory name                                          On inventory (yes/no)*
------------------------  -------------------------------------------------  ------------------
Australia               Australian Inventory of Chemical Substances (AICS)        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) Yes
Europe                  European List of Notified Chemical Substances (ELINCS)      No
Japan                   Inventory of Existing and New Chemical Substances (ENCS)  Yes
Korea                   Existing Chemicals List (ECL)                           Yes
New Zealand             New Zealand Inventory                                 Yes
Philippines             Philippine Inventory of Chemicals and Chemical Substances (PICCS) 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 05-25-2017
Version # 01

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 This document has undergone significant changes and should be reviewed in its entirety.