# SAFETY DATA SHEET

#### 1. Identification

**Product identifier** LPS® 3 (Aerosol)

Other means of identification

**Part Number** 00316

A specialized soft-film spray coating designed to prevent rust and corrosion on steel, aluminum Recommended use

and other metals.

**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.)

www.lpslabs.com Website

E-mail lpssds@itwprobrands.com

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1

> Gases under pressure Compressed gas

Health hazards Skin corrosion/irritation Category 2

> Serious eye damage/eye irritation Category 2A

Specific target organ toxicity, single exposure Category 3 narcotic effects

Not classified. **Environmental hazards** Not classified. **OSHA** defined hazards

Label elements



Signal word Danger

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin **Hazard statement** 

irritation. Causes serious eye irritation.

**Precautionary statement** 

Material name: LPS® 3 (Aerosol)

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

flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after

handling. Wear protective gloves and eye/face protection.

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If inhaled: Remove Response

person to fresh air and keep comfortable for breathing. Call a POISON CENTER or

doctor/physician if you feel unwell. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Specific treatment (see this label). If skin irritation occurs: Get medical

advice/attention.

Storage Keep container tightly closed. Store in a well-ventilated place. Store locked up. Protect from

sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local/regional/national/international regulations. **Disposal** 

00316 Version #: 09 Revision date: 02-12-2019 Issue date: 10-14-2015

None known.

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	50 - 60
1-butoxy-2-propanol		5131-66-8	1 - 10
Acetone		67-64-1	1 - 10
Distillates Petroleum Hydrotreated Heavy		64742-54-7	1 - 10
Carbon Dioxide		124-38-9	1 - 5
Calcium Carbonate		471-34-1	0.1 - 1
Hydrodesulferized Heavy Petroleum Naptha	1	64742-82-1	0.1 - 1
Petrolatum		8009-03-8	0.1 - 1

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation**Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance.

Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while

 $removing\ contaminated\ clothing\ and\ shoes.\ Get\ medical\ attention\ if\ irritation\ develops\ and$ 

persists.

**Eye contact** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.

Get medical attention if irritation develops and persists.

**Ingestion**Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs,

medical personner. Never give anything by mount to an unconscious person. If vomiting occur

keep head low so that stomach content doesn't get into the lungs.

Most important symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment needed

**General information** 

Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Rash. Symptoms of overexposure can include shortness of breath, drowsiness, headaches, confusion, decreased coordination, visual disturbances and vomiting, and are reversible if exposure is stopped.

Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). 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

Powder. Alcohol resistant foam. Carbon dioxide (CO2).

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

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

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose

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. Water runoff can cause environmental damage.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not

breathe fumes.

**General fire hazards** Extremely flammable aerosol.

# 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. Wear appropriate personal protective 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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. The product is immiscible with water and will spread on the water surface. 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. Collect spillage. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

**Environmental precautions** 

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. 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. Avoid breathing gas. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Avoid release to the environment.

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. Store locked up.

# 8. Exposure controls/personal protection

## Occupational 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 Co	•	Value	
Components	Туре	Value	
Acetone (CAS 67-64-1)	PEL	2400 mg/m3	
		1000 ppm	
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 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	
Acetone (CAS 67-64-1)	STEL	500 ppm	
	TWA	250 ppm	
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	

Material name: LPS® 3 (Aerosol)

SDS US

US. NIOSH: Pocket Guide to Che Components	Туре	Value	Form
Acetone (CAS 67-64-1)	TWA	590 mg/m3	
		250 ppm	
Calcium Carbonate (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
,		10 mg/m3	Total
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	

#### **Biological limit values**

**ACGIH Biological Exposure Indices** 

<sup>\* -</sup> For sampling details, please see the source document.

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

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

Skin protection

Chemical resistant gloves are recommended. Hand protection

Other Avoid contact with clothing. Wear suitable protective clothing. Chemical resistant gloves.

No personal respiratory protective equipment normally required. Use a positive-pressure Respiratory protection

air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate

protection.

Not applicable. Thermal hazards

General hygiene considerations

When using, do not eat, drink or 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

Cloudy. Liquid. **Appearance** 

Physical state Gas. **Form** Aerosol. Brown. Color Mild. Cherry. Odor Odor threshold Not available. Not applicable Not available. Melting point/freezing point Initial boiling point and boiling Not available.

range

Flash point 64.4 °F (18.0 °C) Tag Closed Cup

151 (Ethyl Ether) **Evaporation rate** Flammability (solid, gas) Flammable gas. Upper/lower flammability or explosive limits

Flammability limit - upper 6%

(%)

00316 Version #: 09 Revision date: 02-12-2019 Issue date: 10-14-2015

0.6%

Flammability limit - lower

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature446 °F (230 °C)Decomposition temperatureNot available.ViscosityNot available.

Other information

Density 7.28 lb/gal
Percent volatile 63 - 82 %
Specific gravity 0.87

VOC 62.8 % per U.S. 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

products

**Conditions to avoid** Avoid temperatures exceeding the flash point.

**Incompatible materials** Strong oxidizing agents.

Hazardous decomposition Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide,

water and other products of combustion.

# 11. Toxicological information

Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of

occupational exposure.

Symptoms related to the physical, chemical and toxicological characteristics

Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness,

swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Components Species Test Results

1-butoxy-2-propanol (CAS 5131-66-8)

Acute Dermal

LD50 Rabbit 1400 mg/kg, 24 Hours

Oral

LD50 Rat > 2000 mg/kg

Acetone (CAS 67-64-1)

<u>Acute</u>

Inhalation

LC50 Rat 50 mg/l, 8 Hours

Components **Species Test Results** Oral LD50 Rat 5800 mg/kg Calcium Carbonate (CAS 471-34-1) Acute **Dermal** LD50 Rat > 2000 mg/kg, 24 Hours Oral LD50 Rat > 2000 mg/kg Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7) **Acute Dermal** LD50 Rabbit > 2000 mg/kg Inhalation LC50 Rat > 3.9 mg/l, 4 Hours Oral LD50 Rat > 2000 mg/kg Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) **Acute Dermal** LD50 Rabbit > 2000 mg/kg Inhalation Vapor LC50 Rat > 4.5 mg/l, 4 Hours > 0.1 mg/l, 8 Hours Oral LD50 Rat > 5000 mg/kg Hydrodesulferized Heavy Petroleum Naptha (CAS 64742-82-1) Acute **Dermal** LD50 Rabbit > 1900 mg/kg, 24 Hours Oral LD50 Rat 4800 mg/kg Petrolatum (CAS 8009-03-8) **Acute Dermal** LD50 Rabbit > 2000 mg/kg, 24 Hours Oral LD50 Rat > 5000 mg/kg Skin corrosion/irritation Causes skin irritation. Serious eye damage/eye Causes serious eye irritation. irritation Respiratory or skin sensitization Not a respiratory sensitizer. Respiratory sensitization 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.

**ACGIH Carcinogens** 

Acetone (CAS 67-64-1) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

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 None known.

# 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms.

Components **Species Test Results** Acetone (CAS 67-64-1) Aquatic Crustacea FC50 Water flea (Daphnia magna) 10294 - 17704 mg/l, 48 hours Fish LC50 Rainbow trout.donaldson trout 4740 - 6330 mg/l, 96 hours (Oncorhynchus mykiss) Calcium Carbonate (CAS 471-34-1) Aquatic Fish LC50 Western mosquitofish (Gambusia affinis) > 56000 mg/l, 96 hours Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) **Aquatic** Fish LC50 Rainbow trout.donaldson trout 2.9 mg/l, 96 hours (Oncorhynchus mykiss)

Persistence and degradability

Not inherently biodegradable.

Bioaccumulative potential

No data available for this product.

Partition coefficient n-octanol / water (log Kow)

Acetone -0.24

Mobility in soilNot available.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. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code D001: Waste Flammable material with a flash point <140 F

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** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. 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

Material name: LPS® 3 (Aerosol)

00316 Version #: 09 Revision date: 02-12-2019 Issue date: 10-14-2015

Subsidiary risk Label(s) 2.1

Packing group Not available.

**Environmental hazards** 

Marine pollutant No

Special precautions for user Not available.

**Special provisions** N82 Packaging exceptions 306 Packaging non bulk None Packaging bulk None

**IATA** 

UN1950 **UN number** 

**UN** proper shipping name Aerosols, flammable

Transport hazard class(es)

Class 2.1 Subsidiary risk Label(s) 2.1

Not available. Packing group

**Environmental hazards** No.

Special precautions for user Not available.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Cargo aircraft only

Allowed with restrictions.

**IMDG** 

UN1950 **UN** number

UN proper shipping name

Transport hazard class(es)

Aerosols, flammable

Class 2.1 Subsidiary risk Label(s)

Not available. Packing group

**Environmental hazards** 

No Marine pollutant

**EmS** Not available. Special precautions for user Not available. Transport in bulk according to Not available.

Annex II of MARPOL 73/78 and

the IBC Code





Material name: LPS® 3 (Aerosol)

00316 Version #: 09 Revision date: 02-12-2019 Issue date: 10-14-2015



# 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)** 

Acetone (CAS 67-64-1) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Yes

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Classified hazard

chemical

|

categories

Flammable (gases, aerosols, liquids, or solids)

Gas under pressure Skin corrosion or irritation

Serious eye damage or eye irritation

Specific target organ toxicity (single or repeated exposure)

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

Not regulated.

(SDWA)

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

6532

Acetone (CAS 67-64-1)

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

**DEA Exempt Chemical Mixtures Code Number** 

Acetone (CAS 67-64-1) 6532

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Acetone (CAS 67-64-1) Low priority

**US state regulations** 

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

Acetone (CAS 67-64-1)

Carbon Dioxide (CAS 124-38-9)

#### California Proposition 65

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))

Acetone (CAS 67-64-1)

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7) Hydrodesulferized Heavy Petroleum Naptha (CAS 64742-82-1)

Petrolatum (CAS 8009-03-8)

#### **International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>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
 10-14-2015

 Revision date
 02-12-2019

Version # 09

**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.

Material name: LPS® 3 (Aerosol) SDS US