

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier			
Trade name or designation	LPS® Heavy-Duty Silicone (Aerosol)		
of the mixture			
Registration number	-		
Synonyms	None.		
Part Number	M01516		
Issue date	15-October-2015		
Version number	01		
1.2. Relevant identified uses of t	he substance or mixture and uses advised against		
Identified uses	An industrial lubricant designed to reduce mechanical wear and to extend equipment life of machinery where rubber and plastics are involved and where silicone can be tolerated.		
Uses advised against	None known.		
1.3. Details of the supplier of the	e safety data sheet		
Supplier	Alsco Ltd		
Company name	Unit 13 Hillmead Industrial Estate		
Address	Marshall Road		
	Swindon, Wiltshire		
	United Kingdom SN5 5FZ		
Telephone	+44 1793 733 900		
In Case of Emergency	+001 703-527-3887		
Manufacturer			
Company name	ITW Pro Brands		
Address	4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)		
Website	http://www.lpslabs.com		
e-mail	lpssds@itwprobrands.com		
e-man	ipsusertwproblands.com		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

R10

Category 2	H223 - Flammable aerosol. H229 - Pressurized container: May burst if heated.
Flammable.	
Not classified for health hazards. However, or may cause adverse health effects.	ccupational exposure to the mixture or substance(s)
Not classified for hazards to the environment.	
Flammable.	
defatting and cracking of the skin. Symptoms	. Symptoms may include redness, oedema, drying, may include stinging, tearing, redness, swelling, and ay be headache, dizziness, tiredness, nausea and ronic effects.
	Flammable. Not classified for health hazards. However, o may cause adverse health effects. Not classified for hazards to the environment Flammable. Irritating to eyes, respiratory system and skin defatting and cracking of the skin. Symptoms blurred vision. Symptoms of overexposure m

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Naphtha, Petroleum, Hydrotreated Heavy, Petroleum gases, Lquified, Sweetened

Hazard pictograms

Contains:



Signal word	Warning
Hazard statements	
H223 H229 H280	Flammable aerosol. Pressurized container: May burst if heated. Contains gas under pressure; may explode if heated.
Precautionary statements	
Prevention	
P210 P211 P251 P251	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. Pressurised container: Do not pierce or burn, even after use.
Response	Not applicable.
Storage	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	None.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Naphtha, Petroleum, Hy Heavy	ydrotreate	d 10 - 20	64742-48-9 265-150-3	-	649-327-00-6	
Classification:	DSD:	Xn;R65, R66				Р
	CLP:	Asp. Tox. 1;H30	4			Р
Petroleum gases, Lquif Sweetened	ied,	10 - 20	68476-86-8 270-705-8	-	649-203-00-1	
Classification:	DSD:	F+;R12, Carc. C	at. 1;R45, Muta. Ca	at. 2;R46		K,S
	CLP:	Muta. 1B;H340,	Carc. 1A;H350			K,S,U

List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

#: This substance has been assigned Community workplace exposure limit(s).

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General informationEnsure that medical personnel are aware of the material(s) involved, and take precautions to
protect themselves. If you feel unwell, seek medical advice (show the label where possible).4.1. Description of first aid measures
InhalationRemove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing,
give artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Call a
physician if symptoms develop or persist.Skin contactWash off immediately with soap and plenty of water while removing all contaminated clothes 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. In the unlikely event of swallowing contact a physician or poison control centre. Do not induce Ingestion vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Irritant effects. Defatting of the skin. Symptoms may include stinging, tearing, redness, swelling, 4.2. Most important symptoms and blurred vision. Coughing. Shortness of breath. Discomfort in the chest. and effects, both acute and delayed 4.3. Indication of any In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed. immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

o E o mont of thirding many in	
General fire hazards	Flammable aerosol.
5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Carbon dioxide (CO2). Alcohol resistant foam. Powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Contents under pressure. Pressurised container may explode when exposed to heat or flame.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
Special fire fighting procedures	Not available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protect	ctive equipment and emergency procedures	
For non-emergency personnel	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep people away from and upwind of spill/leak.	
For emergency responders	Keep unnecessary personnel away.	
6.2. Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground.	
6.3. Methods and material for	Extinguish all flames in the vicinity.	
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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.	
	Never return spills in original containers for re-use.	
6.4. Reference to other sections	Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section 13.	
SECTION 7: Handling and	storage	
7.1. 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. All equipment used when handling the product must be grounded. Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas. Avoid prolonged or	

	repeated contact with skin. Wear protective gloves/eye protection/face protection. Wash thoroughly after handling. Use care in handling/storage.
7.2. Conditions for safe storage, including any incompatibilities	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep out of the reach of children.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Components	Туре	Value
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	TWA	300 mg/m3
,		50 ppm
Switzerland. SUVA Grenzwe	erte am Arbeitsplatz	
Components	Туре	Value
Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9)	STEL	600 mg/m3
		100 ppm
	TWA	300 mg/m3
		50 ppm
Biological limit values	No biological exposure limits noted	
Recommended monitoring procedures	Follow standard monitoring procedu	ires.
Perived no-effect level (DNEL)	Not available.	
redicted no effect oncentrations (PNECs)	Not available.	
3.2. Exposure controls		
Appropriate engineering controls	should be matched to conditions. If or other engineering controls to main	0 air changes per hour) should be used. Ventilation rates applicable, use process enclosures, local exhaust ventilation, intain airborne levels below recommended exposure limits. If blished, maintain airborne levels to an acceptable level.
ndividual protection measures,	such as personal protective equip	ment
General information	Use personal protective equipment	as required.
Eye/face protection	Avoid contact with eyes. Wear safe recommended.	ty glasses with side shields (or goggles). Eye wash fountain is
Skin protection		
- Hand protection	Use personal protective equipment	as required. Chemical resistant gloves are recommended.
- Other	Do not get this material in contact w Chemical resistant gloves.	vith skin. Use personal protective equipment as required.
Respiratory protection	Do not breathe dust/fume/gas/mist/vapors/spray. No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.	
Thermal hazards	None known.	
lygiene measures	Do not get in eyes, on skin, on cloth handling. Handle in accordance witl	ning. When using, do not eat, drink or smoke. Wash hands aft n good industrial hygiene and safety practices.
Environmental exposure	Contain spills and prevent releases manager must be informed of all ma	and observe national regulations on emissions. Environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Physical state	Gas.
Form	Aerosol
Colour	White
Odour	Mild.
Odour threshold	Not established
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling	100 °C (212 °F)
range	
Flash point	62,0 °C (143,6 °F) Tag closed cup
Evaporation rate	< 1 BuAc
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits			
Flammability limit - lower (%)	1,3 %		
Flammability limit - upper (%)	9,5		
Vapour pressure	17,5 mm Hg @ 20ºC		
Vapour density	6		
Relative density	Not available.		
Solubility(ies)			
Solubility (water)	Emulsifies		
Solubility (other)	Not available.		
Partition coefficient (n-octanol/water)	< 1		
Auto-ignition temperature	> 300 °C (> 572 °F)		
Decomposition temperature	Not available.		
Viscosity	5000 - 12000 cP @ 25ºC		
Explosive properties	Not available.		
Oxidising properties	Not available.		
9.2. Other information			
Heat of combustion	< 20 kJ/g		
Percent volatile	Not established		
Specific gravity	0,92 - 0,94		
VOC (Weight %)	31,9 % per U.S. State and Federal Consumer Product Regulations.		

SECTION 10: Stability and reactivity

10.1. Reactivity	Strong oxidising agents.
10.2. Chemical stability	Risk of ignition.
10.3. Possibility of hazardous reactions	Hazardous polymerisation does not occur.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. This product may react with oxidizing agents.
10.5. Incompatible materials	Incompatible with oxidising agents.
10.6. Hazardous decomposition products	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

General information Not available.

Information on likely rout	es of exposure
Inhalation	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
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	May be harmful if swallowed.
Symptoms	Irritant effects. Exposure may cause temporary irritation, redness, or discomfort. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

11.1. Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.		
Components	Species	Test results	
Naphtha, Petroleum, Hydr	otreated Heavy (CAS 64742-48-9)		
Acute			
Dermal			
LD50	Rabbit	> 1900 mg/kg, 24 Hours	
Inhalation			
Vapour			
LC50	Rat	> 5000 mg/m3, 4 Hours	
		> 4980 mg/m3	
		> 4980 mg/m3, 4 Hours	

Components	Species	Test results
		> 4,96 mg/l, 4 Hours
Oral		
LD50	Rat	4820 mg/kg
Petroleum gases, Lquified, Sweete	ned (CAS 68476-86-8)	
<u>Acute</u>		
Inhalation Gas		
LC50	Mouse	1237 mg/l, 120 Minutes
		52 %, 120 Minutes
LC50	Rat	1355 mg/l
Skin corrosion/irritation		·
Serious eye damage/eye	Prolonged skin contact may cause temporary irritation. Direct contact with eyes may cause temporary irritation.	
irritation		
Respiratory sensitisation	Not a respiratory sensitizer.	
Skin sensitisation	This product is not expected to cause skin sensitisation.	
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.
Reproductive toxicity	This product is not expected to caus	e 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 pro	duct.
Mixture versus substance	Not available.	
Other information	Symptoms may be delayed.	
SECTION 12: Ecological in	formation	
12.1. Toxicity	Not expected to be harmful to aquat	ic organisms.
12.2. Persistence and degradability	Expected to biodegrade.	
12.3. Bioaccumulative potential	Not available.	
Partition coefficient n-octanol/water (log Kow)		
LPS® Heavy-Duty Silicone (Ae	*	
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mix	xture.
12.6. Other adverse effects	Not available.	
12.7. Additional information	None known.	
SECTION 13: Disposal con		
13.1. Waste treatment methods		
Residual waste		regulations. Empty containers or liners may retain some its container must be disposed of in a safe manner (see:
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 i emptied.	
EU waste code		d in discussion between the user, the producer and the was
Disposal methods/information		ncture, incinerate or crush. Collect and reclaim or dispose

SECTION 14: Transport information

	ormation	
ADR	11014050	
14.1. UN number 14.2. UN proper shipping	UN1950 Aerosols, flammable	
name 14.3. Transport hazard class(es)		
Class	2.1	
Subsidiary risk	-	
Label(s)	2.1	
Hazard No. (ADR)	Not available.	
Tunnel restriction code	Not available.	
14.4. Packing group	Not applicable.	
14.5. Environmental hazards	No.	
14.6. Special precautions	Not available.	
for user		
RID		
14.1. UN number	UN1950	
14.2. UN proper shipping	Aerosols, flammable	
name		
14.3. Transport hazard class	(es)	
Class	2.1	
Subsidiary risk	-	
Label(s)	2.1	
14.4. Packing group	Not applicable.	
14.5. Environmental hazards	No.	
14.6. Special precautions	Not available.	
for user		
ADN		
14.1. UN number	UN1950	
14.2. UN proper shipping	Aerosols, flammable	
name		
14.3. Transport hazard class	(es)	
Class	2.1	
Subsidiary risk	-	
Label(s)	2.1	
14.4. Packing group	Not applicable.	
14.5. Environmental hazards	No.	
14.6. Special precautions	Not available.	
for user		
ΙΑΤΑ		
14.1. UN number	UN1950	
14.2. UN proper shipping	Aerosols, flammable	
name	<i>.</i> .	
14.3. Transport hazard class		
Class	2.1	
Subsidiary risk	-	
Label(s)	2.1	
14.4. Packing group	Not applicable.	
14.5. Environmental hazards		
14.6. Special precautions for user	Not available.	
Other information		
	Forbidden.	
Passenger and cargo aircraft	Forbidden.	
Cargo aircraft only	Forbidden.	
IMDG	r orbidden.	
14.1. UN number	UN1950	
14.2. UN proper shipping name	Aerosols, flammable	
14.3. Transport hazard class(es)		
-	2.1	
Class Subsidiary risk	۲.۱ -	
Label(s)	- 2.1	
14.4. Packing group	Not applicable.	
it.t. Facking group	Not applicable.	

14.5. Environmental hazards

Marine pollutant No. EmS Not available. 14.6. Special precautions for user 14.7. Transport in bulk Not available. according to Annex II of MARPOL 73/78 and the IBC Code ADN; ADR; IATA; IMDG; RID



SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.

- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Petroleum gases, Lquified, Sweetened (CAS 68476-86-8)

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

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

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

Petroleum gases, Lquified, Sweetened (CAS 68476-86-8)

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9) Petroleum gases, Lquified, Sweetened (CAS 68476-86-8)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances

Petroleum gases, Lquified, Sweetened (CAS 68476-86-8)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

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

Petroleum gases, Lquified, Sweetened (CAS 68476-86-8) Directive 94/33/EC on the protection of young people at work, as amended

Naphtha, Petroleum, Hydrotreated Heavy (CAS 64742-48-9) Petroleum gases, Lquified, Sweetened (CAS 68476-86-8)

Other regulations	The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
National regulations	Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work.
15.2. Chemical safety assessment	No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations References Information on evaluation method leading to the classification of mixture	Not available. Not available. Not available.
Full text of any statements or R-phrases and H-statements under Sections 2 to 15	 R10 Flammable. R12 Extremely flammable. R45 May cause cancer. R46 May cause heritable genetic damage. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. H304 May be fatal if swallowed and enters airways. H340 May cause genetic defects. H350 May cause cancer.
Revision information	Physical & Chemical Properties: Multiple Properties
Training information Disclaimer	Not available. The information in the sheet was written based on the best knowledge and experience currently
	available.