

# SAFETY DATA SHEET

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

1.1. Product identifier			
Trade name or designation of the mixture	LPS® 3 (Aerosol)		
Registration number	-		
Synonyms	None.		
Part Number	00316, M00316		
Issue date	15-September-2015		
Version number	05		
Revision date	11-July-2017		
Supersedes date	31-March-2017		
1.2. Relevant identified uses of t	he substance or mixture and uses advised against		
Identified uses	A specialized soft-film spray coating designed to prevent rust and corrosion on steel, aluminum and other metals.		
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		

## **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	F+;R12, Xi;R36/38, R67
olassinoution	$1 \pm 112, \pi 100, 00, 107$

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

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

Physical hazards				
Aerosols		Category 1	H222 - Extremely flammable aerosol. H229 - Pressurized container: May burst if heated.	
Health hazards				
Skin corrosion/irritatio	n	Category 2	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.	
Serious eye damage/	eye irritation	Category 2		
Specific target organ exposure	toxicity - single	Category 3 narcotic effects		
Hazard summary				
Physical hazards	Extremely flar	nmable.		
Health hazards	Irritating to ey	es and skin. Vapours may cause drowsi	ness and dizziness. Occupational exposure	

to the substance or mixture may cause adverse health effects.

Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Extremely flammable. Heating may cause an explosion. Do not breathe vapours, aerosols. Irritating to eyes and skin.
Main symptoms	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

## 2.2. Label elements

Contains:

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

1-butoxy-2-propanol, Acetone, Calcium carbonate, Carbon dioxide, Distillates Petroleum Hydrotreated Heavy, Distillates Petroleum Hydrotreated Light, Hydrodesulferized Heavy Petroleum Naptha

Hazard pictograms



# Signal word

Extremely flammable aerosol.
Pressurized container: May burst if heated.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.

### **Precautionary statements**

## Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing gas.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash thoroughly after handling.
P280	Wear protective gloves and eye/face protection.
Response	
P330	Rinse mouth.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
Storage	
P233	Keep container tightly closed.
P405	Store locked up.
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 known.
2.3. Other hazards	None known.

## **SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

## **General information**

Chemical name		%	CAS-No. / EC No.	<b>REACH Registration No.</b>	INDEX No.	Notes
Distillates Petroleum H Light	lydrotreate	d 50 - 60	64742-47-8 265-149-8	-	649-422-00-2	
Classification:	DSD:	Xn;R65				
	CLP:	Asp. Tox. 1;H30	)4			
1-butoxy-2-propanol		1 - 10	5131-66-8 225-878-4	-	603-052-00-8	
Classification:	DSD:	Xi;R36/38				
	CLP:	Acute Tox. 4;H3	312, Skin Irrit. 2;H315	5, Eye Irrit. 2;H319		

Chemical name			%	CAS-No. / EC No.	<b>REACH Registration No.</b>	INDEX No.	Notes
Acetone			1 - 10	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD:	F;R1	1, Xi;R36,	R66-67			
	CLP:	Flam	. Liq. 2;H2	225, Eye Irrit. 2;H319,	STOT SE 3;H336		
Distillates Petroleum Hyd Heavy	rotreate	d	1 - 10	64742-54-7 265-157-1	-	649-467-00-8	
Classification:	DSD:	-					L
	CLP:	Carc.	1B;H350	1			L
Carbon dioxide			1 - 5	124-38-9 204-696-9	-	-	#
Classification:	DSD:	-					
	CLP:	-					
Calcium carbonate			0,1 - 1	471-34-1 207-439-9	-	-	
Classification:	DSD:	-					
	CLP:	-					
Hydrodesulferized Heavy Naptha	Petrole	um	0,1 - 1	64742-82-1 265-185-4	-	649-330-00-2	
Classification:	DSD:	Carc.	Cat. 2;R	45, Muta. Cat. 2;R46,	Xn;R65-48/20		Р
	CLP:	Acute	e Tox. 4;H	312. Muta. 1B:H340.	Carc. 1B;H350, STOT RE 1	:H372	Р

## List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

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

Note L: This component has been tested by Supplier. According to Supplier, the component complies with the criteria of Note L in Annex I of 67/548/EEC, and is exempt from a classification of T; R45. (Contains less than 3% DMSO) All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## Composition comments

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

## **SECTION 4: First aid measures**

General information	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.			
4.1. Description of first aid meas	sures			
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 CENTRE 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 centre immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconsious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.			
4.2. Most important symptoms and effects, both acute and delayed	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.			
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim under observation. Symptoms may be delayed.			

## **SECTION 5: Firefighting measures**

## General fire hazards

Extremely flammable aerosol.

5.1	. Extinguishing media	
	Suitable extinguishing media	Powder. Alcohol resistant foam. Carbon dioxide (CO2).
	Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
	. Special hazards arising m 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.
	Special fire fighting procedures	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 holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Water runoff can cause environmental damage.
Spe	ecific 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.

## **SECTION 6: Accidental release measures**

6.1. I	Personal precautions, protective equipment and emergency procedures				
	For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch or walk through spilled material. Avoid breathing gas. 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.			
I	For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.			
6.2. I	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.			
	Methods and material for ainment 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. Isolate area until gas has dispersed. Collect spillage. Use water spray to reduce vapours or divert vapour cloud drift. Prevent product from entering drains. Following product recovery, flush area with water.			
6.4. I secti	Reference to other	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	Pressurised 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 breathe gas. Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.
7.2. Conditions for safe storage, including any	Level 3 Aerosol.
incompatibilities	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store locked up. Store in a well-ventilated place.
7.3. Specific end use(s)	Not available.

7.3. Specific end use(s)

## **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

# Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

Components	Туре	Value	
Acetone (CAS 67-64-1)	MAK	1200 mg/m3	
		500 ppm	
	STEL	4800 mg/m3	
		2000 ppm	
Carbon dioxide (CAS 124-38-9)	Ceiling	18000 mg/m3	

# Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

Components	Туре	Value
		10000 ppm
	MAK	9000 mg/m3
		5000 ppm
Belgium. Exposure Limit Values.	<b>T</b>	Mala.a
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
, , , , , , , , , , , , , , , , , , ,		1000 ppm
	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS	STEL	54784 mg/m3
124-38-9)	OTEL	347 04 mg/mo
		30000 ppm
	TWA	9131 mg/m3
		5000 ppm
Bulgaria. OELs. Regulation No 13 Components	on protection of workers aga Type	inst risks of exposure to chemical agents at work Value
-		
Acetone (CAS 67-64-1)	STEL	1400 mg/m3
	TWA	600 mg/m3
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		5000 ppm
Croatia. Dangerous Substance Ex Components	posure Limit Values in the Wo Type	orkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Value
Acetone (CAS 67-64-1)	MAC	1210 mg/m3
		500 ppm
	STEL	3620 mg/m3
	STEE	1500 ppm
Carbon dioxide (CAS	MAC	9000 mg/m3
124-38-9)	MAG	9000 mg/m3
		5000 ppm
Cyprus. OELs. Control of factory a Components	tmosphere and dangerous su Type	ubstances in factories regulation, PI 311/73, as amended. Value
Calcium carbonate (CAS	TWA	10 mg/m3
471-34-1)		· · · · · · · · · · · · · · · · · · ·
Czech Republic. OELs. Governme	nt Decree 361	
Components	Туре	Value
-		
1-butoxy-2-propanol (CAS 5131-66-8)	Ceiling	550 mg/m3
0101-00-0)	TWA	270 mg/m3
$\Lambda_{cotopo}$ (CAS 67 64 1)		
Acetone (CAS 67-64-1)	Ceiling	1500 mg/m3
	TWA	800 mg/m3
Carbon dioxide (CAS	Ceiling	45000 mg/m3
124-38-9)	T)A/A	0000
	TWA	9000 mg/m3
Denmark. Exposure Limit values		Value
	Туре	Value
Components	Type TLV	
Components		600 mg/m3
Components Acetone (CAS 67-64-1)	TLV	600 mg/m3 250 ppm
Components Acetone (CAS 67-64-1) Carbon dioxide (CAS		600 mg/m3
Components Acetone (CAS 67-64-1) Carbon dioxide (CAS	TLV	600 mg/m3 250 ppm 9000 mg/m3
Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Estonia. OELs. Occupational Expo	TLV	600 mg/m3 250 ppm 9000 mg/m3 5000 ppm
Denmark. Exposure Limit Values Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Estonia. OELs. Occupational Expo 2001) Components	TLV	600 mg/m3 250 ppm 9000 mg/m3

Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	

Material name: LPS® 3 (Aerosol) - ITW Pro Brands (EU)

# Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Туре	Value		
		5000 ppm		
Finland. Workplace Exposure Lir	mits			
Components	Туре	Value	Form	
Acetone (CAS 67-64-1)	STEL	1500 mg/m3		
		630 ppm		
	TWA	1200 mg/m3		
		500 ppm		
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	Dust.	
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3		
,		5000 ppm		

#### France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components Type Value

Componente	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	T dido	
Acetone (CAS 67-64-1)	VLE	2420 mg/m3	
		1000 ppm	
	VME	1210 mg/m3	
		500 ppm	
Calcium carbonate (CAS 471-34-1)	VME	10 mg/m3	
Carbon dioxide (CAS 124-38-9)	VME	9000 mg/m3	
,		5000 ppm	

# Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value	Form
Acetone (CAS 67-64-1)	TWA	1200 mg/m3	
		500 ppm	
Carbon dioxide (CAS	TWA	9100 mg/m3	
124-38-9)		5000	
		5000 ppm	
Distillates Petroleum	TWA	5 mg/m3	Respirable aerosol fraction
Hydrotreated Light (CAS 64742-47-8)			Iraction
04742 47 0)		350 mg/m3	Vapor.
		50 ppm	Vapor.
Germany. TRGS 900, Limit Values	s in the Amhient Air at the Wor		• -
Components	Type	Value	
· · · · · · · · · · · · · · · · · · ·			
Acetone (CAS 67-64-1)	AGW	1200 mg/m3	
		500 ppm	
Carbon dioxide (CAS	AGW	9100 mg/m3	
124-38-9)		5000 ppm	
		5000 ppm	
Greece. OELs (Decree No. 90/199			
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	3560 mg/m3	
	TWA	1780 mg/m3	
Carbon dioxide (CAS	STEL	54000 mg/m3	
124-38-9)			
		5000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
Hungary. OELs. Joint Decree on (	Chemical Safety of Workplaces	6	
Components	Туре	Value	
Acetone (CAS 67-64-1)	STEL	2420 mg/m3	
· · · · · ·	TWA	1210 mg/m3	
Carbon dioxide (CAS	TWA	9000 mg/m3	
124-38-9)			

eland. OELs. Regulation 154/1999 on occupational exposure omponents Type		Value
Acetone (CAS 67-64-1)	TWA	600 mg/m3
		250 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		5000 ppm
reland Occupational Exposure	limito	0000 pp
reland. Occupational Exposure	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 24-38-9)	STEL	27000 mg/m3
,		15000 ppm
	TWA	9000 mg/m3
		5000 ppm
aly. Occupational Exposure Lin	nite	
Components	Туре	Value
-		1010 mg/m0
cetone (CAS 67-64-1)	TWA	1210 mg/m3
	<b>T</b> \ \ / \	500 ppm
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
124-30-9)		5000 ppm
atvia. OELs. Occupational expo	sure limit values of chemical s	substances in work environment
Components	Туре	Value
cetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Calcium carbonate (CAS	TWA	6 mg/m3
F71-34-1) Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		5000
		5000 ppm
Hydrodesulferized Heavy Petroleum Naptha (CAS 34742-82-1)	STEL	300 mg/m3
	TWA	200 mg/m3
ithuania. OELs. Limit Values fo	r Chemical Substances, Gener	ral Requirements
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
· · · · ·		1000 ppm
	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
,		5000 ppm
_uxembourg. Binding Occupatio	nal exposure limit values (Ann	
Components	Type	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS I24-38-9)	TWA	9000 mg/m3
,		5000 ppm
Malta. OELs. Occupational Expo Schedules I and V)	sure Limit Values (L.N. 227. of	Occupational Health and Safety Authority Act (CAP. 424
Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		-
		5000 ppm

Netherlands. OELs (binding) Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
(CAS 07-04-1)	TWA	1210 mg/m3
Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		
Norway. Administrative Norms fo	r Contaminants in the Workpl	ace
Components	Туре	Value
Acetone (CAS 67-64-1)	TLV	295 mg/m3
		125 ppm
Carbon dioxide (CAS	TLV	9000 mg/m3
24-38-9)		
		5000 ppm
	ing maximum permissible co	ncentrations and intensities of harmful factors in the wo
environment, Annex 1	_	N. I. Farma
Components	Туре	Value Form
Acetone (CAS 67-64-1)	STEL	1800 mg/m3
	TWA	600 mg/m3
Calcium carbonate (CAS	TWA	10 mg/m3 Inhalable fraction.
171-34-1) Carbon dioxide (CAS	STEL	37000 mg/m2
24-38-9)	STEL	27000 mg/m3
	TWA	9000 mg/m3
Portugal. OELs. Decree-Law n. 29	0/2001 (Journal of the Bepub	lic - 1 Series A n 266)
Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
	1007	500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		
		5000 ppm
Portugal. VLEs. Norm on occupat	-	
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Calcium carbonate (CAS	TWA	10 mg/m3
1/1-34-1) Carbon dioxido (CAS	STEL	20000 ppm
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Romania. OELs. Protection of wo	rkers from exposure to chemi	
Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		-
		5000 ppm
		n of health in work with chemical agents
Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		F000 -
		5000 ppm
		against risks due to exposure to chemicals while work
Official Gazette of the Republic of Components	Type	Value
•		
		1010 mg/m0
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9)	TWA	

5000 ppm

# Spain. Occupational Exposure Limits

Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
Carbon dioxide (CAS 124-38-9)	TWA	9150 mg/m3	
		5000 ppm	
Hydrodesulferized Heavy Petroleum Naptha (CAS 64742-82-1)	STEL	580 mg/m3	
,		100 ppm	
	TWA	290 mg/m3	
		50 ppm	

# Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)

1200 mg/m3 500 ppm 600 mg/m3 250 ppm 18000 mg/m3
600 mg/m3 250 ppm
250 ppm
18000 mg/m3
10000 ppm
9000 mg/m3
5000 ppm
Value Form
2400 mg/m3
1000 ppm
1200 mg/m3
500 ppm
3 mg/m3 Respirable dust.
9000 mg/m3
5000 ppm
Value
3620 mg/m3
1500 ppm
1210 mg/m3
500 ppm
27400 mg/m3
15000 ppm
9150 mg/m3
5000 ppm
1/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU
Value
1210 mg/m3
500 ppm
9000 mg/m3
5000 ppm
Values at Workplace, Annexes 4 (as amended)
terminant Specimen Sampling time
,

Componente	, and o	Dotomium	opeennen	oumphing time	
Acetone (CAS 67-64-1)	20 mg/g	Acetone	Creatinine in urine	*	
	20 mg/l	Acetone	Blood	*	
	0,34 mmol/l	Acetone	Blood	*	

Croatia. BLV. Dangerous Components	Value	Determinant	Specimen	Sampling time
	38,95 mmol/mol	Acetone	Creatinine in urine	*
* - For sampling details, pl	lease see the source do	cument.		
France. Biological indica Components	ators of exposure (IBE) Value	(National Institute Determinant	e for Research a Specimen	nd Security (INRS, ND 2065) Sampling time
Acetone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*
* - For sampling details, pl	lease see the source do	cument.		
Germany. TRGS 903, BA Components	T List (Biological Limit Value	t Values) Determinant	Specimen	Sampling time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
* - For sampling details, pl	lease see the source do	cument.		
	cal Limit Value). Regula	ation no. 355/2006	concerning prot	ection of workers exposed to chemica
agents, Annex 2 Components	Value	Determinant	Specimen	Sampling time
			•	
Acetone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	•
	80 mg/l	Acetone	Urine	*
* - For sampling details, pl				
Spain. Biological Limit V Components	/alues (VLBs), Occupat Value	tional Exposure Li Determinant	mits for Chemica Specimen	al Agents, Table 4 Sampling time
Acetone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*
* - For sampling details, pl	lease see the source do	cument.		
Switzerland. BAT-Werte Components	(Biological Limit Value Value	es in the Workplac Determinant	e as per SUVA) Specimen	Sampling time
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*
* - For sampling details, pl	lease see the source do	cument.		
ommended monitoring cedures	Follow standard m	onitoring procedure	es.	
ived no effect levels ELs)	Not available.			
dicted no effect centrations (PNECs)	Not available.			
Exposure controls				
ropriate engineering trols	should be matched or other engineerir	d to conditions. If an ng controls to maint	oplicable, use pro ain airborne level	our) should be used. Ventilation rates cess enclosures, local exhaust ventilation s below recommended exposure limits. It borne levels to an acceptable level.
vidual protection measur General information	Personal protection discussion with the	n equipment should e supplier of the per	d be chosen accor	rding to the CEN standards and in equipment. Use personal protective
Evo/fooo protoction	equipment as requ		(or gogglos) Eve	wash fountain is recommanded
Eye/face protection	wear sarely gidss	-> with side silleids	(or goggies). ⊏ye	e wash fountain is recommended.
Skin protection				
- Hand protection		gloves are recomm		thing Chomical registent slaves
- Other		•	•	othing. Chemical resistant gloves.
Respiratory protection	air-supplied respira	ator if there is any p	otential for an un	required. Use a positive-pressure controlled release, exposure levels are n respirators may not provide adequate
Thermal hazards	Not applicable.			
iene measures	after handling the		eating, drinking,	onal hygiene measures, such as washing and/or smoking. Routinely wash work ants.
	5 1 1 1 1	4 4		

Material name: LPS® 3 (Aerosol) - ITW Pro Brands (EU) 00316, M00316 Version #: 05 Revision date: 11-July-2017 Issue date: 15-September-2015

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

or in buolo physic	
Appearance	Cloudy. Liquid.
Physical state	Gas.
Form	Aerosol
Colour	Brown.
Odour	Mild. Cherry.
Odour threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	18,0 °C (64,4 °F) Tag closed cup
Evaporation rate	151 (Ethyl Ether)
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	0,6 %
Flammability limit - upper (%)	6 %
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	230 °C (446 °F)
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. 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

# **SECTION 10: Stability and reactivity**

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid temperatures exceeding the flash point.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.

# **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely rout	tes of exposure
Inhalation	May cause drowsiness and dizziness.
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	Irritating to eyes, respiratory system and skin. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.		
11.1. Information on toxicologic	al effects		
Acute toxicity	Not known.		
Components	Species		Test results
1-butoxy-2-propanol (CAS 5131-6	6-8)		
<u>Acute</u>			
Dermal			
LD50	Rabbit		1400 mg/kg, 24 Hours
Distillates Petroleum Hydrotreated	d Heavy (CAS 6	64742-54-7)	
<u>Acute</u>			
Inhalation LC50	Rat		> 3,9 mg/l, 4 Hours
		C C 4740 80 1	> 3,9 mg/i, 4 mours
Hydrodesulferized Heavy Petroleu	um Napina (CA	5 64742-82-1)	
<u>Acute</u> Dermal			
LD50	Rabbit		> 1900 mg/kg, 24 Hours
		initation	
Skin corrosion/irritation	Causes skin		
Serious eye damage/eye irritation	Causes send	ous eye irritation.	
Respiratory sensitisation	Not a respira	tory sensitizer.	
Skin sensitisation	-	is not expected to cause skin sensitisati	ion.
Germ cell mutagenicity	-	lable to indicate product or any compon	
	mutagenic o		
Carcinogenicity	This product	is not considered to be a carcinogen by	IARC, ACGIH, NTP, or OSHA.
ACGIH Carcinogens			
Acetone (CAS 67-64-1) Hungary. 26/2000 EüM Ordi (as amended)	nance on prot		human carcinogen. A4 ating to exposure to carcinogens at work
Distillates Petroleum Hydrodesulferized Heavy			
Reproductive toxicity	This product	is not expected to cause reproductive o	r developmental effects.
Specific target organ toxicity - single exposure	Narcotic effe	cts.	
Specific target organ toxicity - repeated exposure	Not classified	J.	
Aspiration hazard	Not likely, du	e to the form of the product.	
Mixture versus substance information	Not available	).	
Other information	Not available		
SECTION 12: Ecological in	nformation		
12.1. Toxicity		to be harmful to aquatic organisms.	
Components		Species	Test results
Acetone (CAS 67-64-1)		Openes	
Aquatic			
Crustacea	EC50	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- Aquatic	1)		
Fish	LC50	Western mosquitofish (Gambusia affi	inis) > 56000 mg/l, 96 hours
Distillates Petroleum Hydrotreated	d Light (CAS 64		
Aquatic	- `		
Fish	LC50	Rainbow trout, donaldson trout	2,9 mg/l, 96 hours

12.2. Persistence and degradability	Not inherently biodegradable.	
12.3. Bioaccumulative potential	No data available for this produc	et.
Partition coefficient n-octanol/water (log Kow) Acetone		-0,24
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	Not available.	
12.5. Results of PBT and vPvB assessment	Not available.	
12.6. Other adverse effects	None known.	
SECTION 13: Disposal considerations		
13.1. Waste treatment methods		

13.1. Waste treatment methods	
Residual waste	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.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	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.

# **SECTION 14: Transport information**

ADR 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 Hazard No. (ADR) Not available. Tunnel restriction code Not available. 14.4. Packing group Not available. 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 available. 14.5. Environmental hazards No. 14.6. Special precautions Not available. 14.7 Subsidiary risk - Label(s) 2.1 14.4. Packing group Not available. 14.5. Environmental hazards No. 14.6. Special precautions Not available. 14.5. Label(s) Acrosols, flammable for user ADN 14.1. UN number UN1950 14.2. UN proper shipping Aerosols, flammable name 14.3. Transport hazard class(es)		
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14.4. Packing group Not available.	14.4. Packing group	Not available.

14.5. Environmental hazards 14.6. Special precautions	No. Not available.
for user IATA	
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14.3. Transport hazard class	(66)
Class	2.1
Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not available.
14.5. Environmental hazards	
14.6. Special precautions	Not available.
for user	
Other information	
Passenger and cargo	Allowed with restrictions.
aircraft	
Cargo aircraft only	Allowed with restrictions.
IMDG	
14.1. UN number	UN1950
14.2. UN proper shipping	Aerosols, flammable
name	
14.3. Transport hazard class	. ,
Class	2.1
Subsidiary risk	-
Label(s)	2.1
14.4. Packing group	Not available.
14.5. Environmental hazards	
Marine pollutant	No
EmS	Not available.
14.6. Special precautions	Not available.
for user	Not available.
14.7. Transport in bulk according to Annex II of Marpol	NUL AVAIIADIE.
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 Acetone (CAS 67-64-1)

Distillates Petroleum Hydrotreated Heavy (CAS 64742-54-7)

Hydrodesulferized Heavy Petroleum Naptha (CAS 64742-82-1)

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

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

## Other EU regulations

## Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Acetone (CAS 67-64-1)

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	Not available.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any statements or R-phrases and H-statements	
under Sections 2 to 15	<ul> <li>R11 Highly flammable.</li> <li>R12 Extremely flammable.</li> <li>R36 Irritating to eyes.</li> <li>R36/38 Irritating to eyes and skin.</li> <li>R45 May cause cancer.</li> <li>R46 May cause heritable genetic damage.</li> <li>R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.</li> <li>R65 Harmful: may cause lung damage if swallowed.</li> <li>R66 Repeated exposure may cause skin dryness or cracking.</li> <li>R67 Vapours may cause drowsiness and dizziness.</li> <li>H225 Highly flammable liquid and vapour.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H315 Causes skin irritation.</li> <li>H319 Causes serious eye irritation.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H340 May cause genetic defects.</li> <li>H350 May cause cancer.</li> <li>H372 Causes damage to organs through prolonged or repeated exposure.</li> <li>SECTION 2: Hazards identification: Hazard statements</li> <li>SECTION 2: Hazards identification: Prevention</li> </ul>
	SECTION 2: Hazards identification: Response SECTION 2: Hazards identification: Storage Composition / Information on Ingredients: Disclosure Overrides Regulatory Information: Risk Phrases - Labeling GHS: Classification
Training information	Follow training instructions when handling this material.

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.