

# 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® F-104 (Aerosol)
Registration number	-
Synonyms	None.
Part Number	04920, M04920
Issue date	22-September-2015
Version number	02
Revision date	10-October-2016
Supersedes date	22-September-2015
1.2. Relevant identified uses of t	he substance or mixture and uses advised against
Identified uses	A solvent degreasing agent designed for removing tar, adhesives, grease, oil and other residues from metal and other hard surfaces.
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 ident	ification

# 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

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/irritation	Category 2	H315 - Causes skin irritation.
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.

Environmental hazards Hazardous to the aquatic long-term aquatic hazard	environment,	Category 2	H411 - Toxic to aquatic life with long lasting effects.	
Hazard summary				
Physical hazards	Extremely flamm	able.		
Health hazards	Irritating to skin. May cause sensitisation by skin contact. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Occupational exposure to the substance or mixture may cause adverse health effects.			
Environmental hazards	Toxic to aquatic	organisms, may cause l	ong-term adverse effects in the aquatic environment.	
Specific hazards	Extremely flammable. Harmful: may cause lung damage if swallowed. Irritating to skin. May cause sensitisation by skin contact. Do not breathe dust/fume/gas/mist/vapors/spray. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
Main symptoms		sea, vomiting. Skin irritat	a and pneumonitis. May cause drowsiness and dizziness. ion. May cause redness and pain. May cause an allergic	
2.2. Label elements				
Label according to Regulation (I	EC) No. 1272/2008	8 as amended		
Contains:	Distillates Petrol	eum Hydrotreated Light,	d-limonene, Propylene glycol monomethyl ether acetate	
Hazard pictograms				
Signal word	Danger			
Hazard statements				
H222	Extremely flamm			
H229		tainer: May burst if heate		
H304		wallowed and enters airv	vays.	
H315	Causes skin irrit			
H317		lergic skin reaction. siness or dizziness.		
H336 H411		life with long lasting effe	cts	
Precautionary statements Prevention				
P210	Keep away from	heat, hot surfaces, spar	ks, open flames and other ignition sources. No smoking.	
P211		an open flame or other i	gnition source.	
P251	•	burn, even after use.		
P261	Avoid breathing			
P264	Wash thoroughly	rs or in a well-ventilated	2702	
P271 P272			be allowed out of the workplace.	
P273		the environment.		
P280	Wear protective			
Response				
P301 + P310	IF SWALLOWEI	D: Immediately call a PC	ISON CENTER/doctor.	
P331	Do NOT induce			
P302 + P352		sh with plenty of water.		
P304 + P340			r and keep comfortable for breathing.	
P312		CENTER/doctor if you fe		
P333 + P313		r rash occurs: Get medi		
P362 + P364		inated clothing and wash	n it before reuse.	
P391	Collect spillage.			
Storage				
P403 + P233		entilated place. Keep co	ntainer tightly closed.	
P405	Store locked up. Protect from sun		emperatures exceeding 50°C/122°F.	
P410 + P412			omportation of occounty of OFTEET.	
Disposal	Dispose of cost	nte/container in accorde	noo with local/ragional/national/international regulations	
P501	-	ents/container in accorda	ance with local/regional/national/international regulations.	
Supplemental label information	None known.			
2.3. Other hazards	Combustible.			
SECTION 3: Composition/	information o	n ingredients		
3.2. Mixtures				

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Note
Distillates Petroleum H Light	ydrotreate	ed 70 - 80	64742-47-8 265-149-8	-	649-422-00-2	
Classification:	DSD:	Xn;R65				
	CLP:	Flam. Liq. 3;H2	226, Asp. Tox. 1;H30	94, Skin Irrit. 2;H315, STOT SE	3;H336	
Propylene glycol mono acetate	methyl etl	ner 1 - 10	108-65-6 203-603-9	-	607-195-00-7	#
Classification:	DSD:	R10				
,	CLP:	Flam. Liq. 3;H2	226			
d-limonene		1 - 5	5989-27-5 227-813-5	-	601-029-00-7	
Classification:	DSD:	R10, Xn;R65, X	(i;R38, R43, N;R50/	53		С
	CLP:	Flam. Liq. 3;H2 Chronic 1;H410		5, Skin Sens. 1;H317, Aquatic		С
Carbon dioxide		1 - 3	124-38-9 204-696-9	-	-	#
Classification:	DSD:	-				
C	CLP:	-				

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

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

### **Composition comments**

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

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

General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
4.1. Description of first aid meas	sures
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
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. Wash contaminated clothing before reuse.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. 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	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
SECTION 5: Firefighting m	neasures

### General fire hazards Extremely flammable aerosol. Combustible. 5.1. Extinguishing media Suitable extinguishing Alcohol resistant foam. Powder. Dry chemicals. Carbon dioxide (CO2). media

Unsuitable extinguishing Do not use water jet as an extinguisher, as this will spread the fire. media Contents under pressure. Pressurised container may explode when exposed to heat or flame. 5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed. 5.3. Advice for firefighters **Special protective** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. equipment for firefighters Move containers from fire area if you can do so without risk. Cool containers exposed to heat with Special fire fighting water spray and remove container, if no risk is involved. Containers should be cooled with water to procedures prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

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

### 6.1. 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 protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Use water spray to reduce vapours or divert vapour cloud drift. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. 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.
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	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 re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. 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. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Not available.

### **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	
Carbon dioxide (CAS 124-38-9)	Ceiling	18000 mg/m3	
,		10000 ppm	
	MAK	9000 mg/m3	
		5000 ppm	

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

Components	Туре	Value
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	Ceiling	550 mg/m3
,		100 ppm
	MAK	275 mg/m3
		50 ppm
Belgium. Exposure Limit Values.		
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	STEL	54784 mg/m3
		30000 ppm
	TWA	9131 mg/m3
		5000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Bulgaria. OELs. Regulation No 13	on protection of workers aga	ainst risks of exposure to chemical agents at work
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
,		5000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	550 mg/m3

100 ppm	
275 mg/m3	
50 ppm	
	275 mg/m3

# Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	MAC	9000 mg/m3
		5000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	MAC	275 mg/m3
· · ·		50 ppm
	STEL	550 mg/m3
		100 ppm
Czech Republic. OELs. Governme	nt Decree 361	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	Ceiling	45000 mg/m3
,	TWA	9000 mg/m3
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	Ceiling	550 mg/m3
()	TWA	270 mg/m3
Denmark. Exposure Limit Values		
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3
,		5000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	TLV	275 mg/m3
		50 ppm

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	275 mg/m3	
		50 ppm	
Finland. Workplace Exposure Lin	nits		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3	
		5000 ppm	
d-limonene (CAS 5989-27-5)	STEL	280 mg/m3	
		50 ppm	
	TWA	140 mg/m3	
		25 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	550 mg/m3	
		100 ppm	
	TWA	270 mg/m3	
		50 ppm	

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

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

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	VME	9000 mg/m3	
		5000 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	VLE	550 mg/m3	
		110 ppm	
	VME	275 mg/m3	
		50 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
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3	
,		5000 ppm	
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)	TWA	5 mg/m3	Respirable aerosol fraction
		350 mg/m3	Vapor.
		50 ppm	Vapor.
d-limonene (CAS 5989-27-5)	TWA	28 mg/m3	
		5 ppm	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	TWA	270 mg/m3	
		50 ppm	
Germany. TRGS 900, Limit Values	s in the Ambient Air at the Wo	rkplace	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	AGW	9100 mg/m3	
,		5000 ppm	
d-limonene (CAS 5989-27-5)	AGW	28 mg/m3	
,		5 ppm	

Propylene glycol monomethyl wither acetate (CAS 108-65-6)     AGW     270 mg/m3       Greece. OELS (Decree No. 90/1999, as amended) Components     Type     Value       Carbon dioxide (CAS 124-38-9)     STEL     54000 mg/m3       124-38-9)     TWA     9000 mg/m3       Proylene glycol monomethyl wither acetate (CAS 108-65-6)     STEL     5000 ppm       Proylene glycol monomethyl wither acetate (CAS 108-65-6)     TWA     9000 mg/m3       Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components     Type     Value       Carbon dioxide (CAS 224-38-9)     TWA     9000 mg/m3       Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components     Type     Value       Carbon dioxide (CAS 243-69)     TWA     9000 mg/m3       Proylene glycol monomethyl wither acetate (CAS 108-65-6)     TWA     275 mg/m3       Leeland. OELs. Regulation 154/1999 on occupational exposure limits     5500 pg/m       Components     Type     Value       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3 500 ppm       Proylene glycol monomethyl wither acetate (CAS 108-65-6)     TWA     9000 mg/m3 500 ppm       Truka     STEL     5000 ppm       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3 500 ppm       Proylene glycol monomethyl wither acetate (CAS 108-65-6)     TWA     9000 mg/m3 500 ppm       Proyl	Germany. TRGS 900, Limit Values Components	s in the Ambient Air at the Wo Type	rkplace Value
Greece. OE Decree No. 90/1999, as amede)     Value       Carbon dioxide (CAS     STEL     54000 mg/m3       124-38-9)     TWA     9000 mg/m3       Propylene glycol     STEL     550 mg/m3       monomethyl ether acetate     STEL     550 mg/m3       (CAS 108-65-6)     TWA     9000 mg/m3       Hungary. OELs. Joint Decree on Chemical Safety of Workplaces     100 ppm       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       Hungary. OELs. Joint Decree on Chemical Safety of Workplaces     Somg/m3       Components     Type     Value       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       Propylene glycol     STEL     550 mg/m3       Carbon dioxide (CAS     TWA     275 mg/m3       Carbon dioxide (CAS     TWA     275 mg/m3       Cearbon dioxide (CAS     TWA     275 mg/m3       124-38-9)     TWA     9000 mg/m3       Tavas of the acetate     STEL     500 ppm       Components     Type     Value       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       Tavas of the acetate     STEL     500 ppm       Carbon dioxide (CAS	monomethyl ether acetate	AGW	270 mg/m3
ComponentsTypeValueCarbon dioxide (CAS 124-38-9)STEL54000 mg/m3124-38-9)TWA5000 ppmPropylene glycol monomethyl ether acetate (CAS 108-65-6)STEL550 mg/m3Hungary, OELs, Joint Decree on Chemical Safety of Workplaces Components100 ppmCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3Propylene glycol monomethyl ether acetate (CAS 108-65-6)TWA9000 mg/m3Carbon dioxide (CAS 124-38-9)TWA9000 mg/m3Propylene glycol monomethyl ether acetate (CAS 108-65-6)TWA275 mg/m3Carbon dioxide (CAS 124-38-9)TWA275 mg/m3Propylene glycol monomethyl ether acetate (CAS 108-65-6)TWA9000 mg/m3Ital-38-9)TWA9000 mg/m3Propylene glycol monomethyl ether acetate (CAS 108-65-6)TWA9000 mg/m3Ital-38-9TWA9000 mg/m3Propylene glycol monomethyl ether acetate (CAS 108-65-6)TWA9000 mg/m3Ital-38-9			50 ppm
Carbon dioxide (CAS     STEL     54000 mg/m3       124-38-9)     TWA     9000 mg/m3       Propylene glycol     STEL     550 mg/m3       Propylene glycol     STEL     550 mg/m3       (CAS 106-65-6)     TWA     275 mg/m3       Hungary, OELs, Joint Decree on Chemical Safety of Workplaces     100 ppm       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       275 mg/m3     50 ppm     100 ppm       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     STEL     550 mg/m3       Propylene glycol     STEL     550 mg/m3       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     275 mg/m3       Iceland. OELs. Regulation 154/1999 on occupational exposure limits     275 mg/m3       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     STEL     550 mg/m3       Propylene glycol     STEL     550 mg/m3       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       Ireland. Occupational Exposure Limits     Type     Value       Carbon dioxide (CAS     STEL     550 mg/m3       124-38-9)     TWA     9000 mg/m3       Ireland. Occupa		-	
124-38-9)     TWA     5000 ppm 9000 mg/m3 5000 ppm 5000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     550 mg/m3 100 ppm       Hungary, OELs. Joint Decree on Chemical Components     TWA     275 mg/m3 50 ppm       Hungary, OELs. Joint Decree on Chemical Safety of Workplaces     Value       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       (CAS 108-65-6)     TWA     275 mg/m3       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Ital-38-9     Type     Value       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3 50 ppm       Ireland. Occupational Exposure Limits Components     Type     Value       Carbon dioxide (CAS 124-38-9)     STEL     27000 mg/m3 500 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     5000 ppm       TWA     9000 mg/m3 500 ppm     5000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3 500 ppm       Propylene glycol monomethyl ether acetate (CAS 1	Components	Туре	Value
Fropylene glycol monomethyl either acetate (CAS 108-65-6)     STEL     550 mg/m3       Hungary, OELs. Joint Decree on Chemical Safety of Workplaces Components     100 ppm       Hungary, OELs. Joint Decree on Chemical Safety of Workplaces Components     100 ppm       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     STEL     550 mg/m3       Propylene glycol monomethyl either acetate (CAS 108-65-6)     TWA     9000 mg/m3       124-38-9)     TWA     275 mg/m3       Propylene glycol monomethyl either acetate (CAS 108-65-6)     TWA     275 mg/m3       Carbon dioxide (CAS     TWA     275 mg/m3       Carbon dioxide (CAS     TWA     275 mg/m3       Ital:     TWA     275 mg/m3       Carbon dioxide (CAS     TWA     275 mg/m3       Ital:     S500 mg/m3       Ita:     S500 mg/m3       Ital:		STEL	54000 mg/m3
Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     500 ppm 550 mg/m3       Hungary, OELs, Joint Decree on Chemical Safety of Workplaces Components     100 ppm 775 mg/m3     275 mg/m3       Hungary, OELs, Joint Decree on Chemical Safety of Workplaces Components     TWA     9000 mg/m3       Hungary, OELs, Joint Decree on Chemical Safety of Workplaces Components     TWA     9000 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     275 mg/m3       Iceland, OELs, Regulation 154/1999 on occupational exposure limits Components     Type     Value       Carbon dioxide (CAS 124-38-9)     TWA     275 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     275 mg/m3       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     500 mg/m3       Ireland, Occupational Exposure Limits Components     Type     Value       Carbon dioxide (CAS 124-38-9)     STEL     27000 mg/m3       Ireland, Occupational Exposure Limits Componentyl ether acetate (CAS 108-65-6)     STEL     27000 mg/m3       Ireland, Occupational Exposure Limits Componentyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Ireland, Occupational Exposure Limits Componentyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Ireland, Occupational Exposure Limits Componentyl	124-30-3)		5000 ppm
Propylene glycol momently letter acetate (CAS 108-65-6) Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components Type Value Carbon dioxide (CAS TWA 9000 mg/m3 124-39-9) Propylene glycol monomethy letter acetate (CAS 108-65-6) ICAS 108-65-6) TWA 275 mg/m3 Ieland. OELs. Regulation 154/1999 on occupational exposure limits Components Type Value Carbon dioxide (CAS TWA 9000 mg/m3 124-38-9) Propylene glycol monomethy letter acetate (CAS 108-65-6) ICAS 108-65-6) TWA 9000 mg/m3 124-38-9) Propylene glycol monomethy letter acetate (CAS 108-65-6) ICAS 109-05 ICAS		TWA	
monomethyl ether acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components Type Value Carbon dioxide (CAS TWA 9000 mg/m3 124-38-9) TWA 275 mg/m3 teland. OELs. Regulation 154/1999 on occupational exposure limits Components Type Value Carbon dioxide (CAS TWA 9000 mg/m3 124-38-9) Fropylene glycol mg/m3 TWA 9000 mg/m3 124-38-9) Fropylene glycol mg/m3 100 ppm TWA 9000 mg/m3 124-38-9) Freland. Occupational Exposure Limits Components Type Value Carbon dioxide (CAS 108-65-6) TWA 9000 mg/m3 100 ppm TWA 275 mg/m3 500 ppm TWA 275 mg/m3 500 ppm TWA 275 mg/m3 500 ppm Freland. Occupational Exposure Limits Components Type Value Carbon dioxide (CAS 108-65-6) TWA 275 mg/m3 500 ppm TWA 9000 mg/m3 500 ppm TWA 275 mg/m3 500 ppm TWA 9000 mg/m3 500 ppm TWA 275 mg/m3 500 ppm	Propylene alycol	STEL	
Image: Two problems       Hungary. OELs. Joint Decree on Chemical Safety of Workplaces     Two problems     Value       Carbon dioxide (CAS     Two problems     9000 mg/m3       Propylene glycol momenthy lether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Iceland. OELs. Regulation 154/1999 on occupational exposure limits     Two problems     Value       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 mg/m3       Propylene glycol momenthy lether acetate (CAS 108-65-6)     TWA     9000 mg/m3       Propylene glycol momenthy lether acetate (CAS 108-65-6)     STEL     500 ppm       Image: Two prophements     Two prophems     500 ppm       Image: Two prophements     Two prophems     100 ppm       Image: Two prophements     Two prophems     500 ppm       Image: Two prophements     Two prophems     100 ppm       Image: Two prophements     Two prophements     100 ppm       Image: Two prophements     Two	monomethyl ether acetate	01LL	
So ppm           Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components         Type         Value           Carbon dioxide (CAS) 124-38-9)         TWA         9000 mg/m3           Propylene glycol monomethyl tether acetate (CAS 108-65-6)         TWA         275 mg/m3           Iceland. OELs. Regulation 154/1999 on occupational exposure limits Components         Type         Value           Carbon dioxide (CAS 124-36-9)         TWA         9000 mg/m3           Propylene glycol monomethyl ether acetate (CAS 108-65-6)         TWA         9000 mg/m3           Propylene glycol monomethyl ether acetate (CAS 108-65-6)         TWA         9000 mg/m3           Iteland. Occupational Exposure Limits Components         Type         Value           Carbon dioxide (CAS 124-38-9)         Type         Value           Iteland. Occupational Exposure Limits (CAS 108-65-6)         Type         Value           Carbon dioxide (CAS 124-38-9)         STEL         5000 ppm           Propylene glycol monomethyl ether acetate (CAS 108-65-6)         STEL         5000 ppm           Propylene glycol monomethyl ether acetate (CAS 108-65-6)         TWA         9000 mg/m3           TWA         9000 mg/m3         5000 ppm           Propylene glycol monomethyl ether acetate (CAS 108-65-6)         TWA         9000 mg/m3           TWA			100 ppm
Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components         Type         Value           Carbon dioxide (CAS         TWA         9000 mg/m3           124-38-9)         STEL         550 mg/m3           Propylene glycol monomethyl tetter acetate (CAS 108-65-6)         TWA         275 mg/m3           Cearbon dioxide (CAS         TWA         9000 mg/m3           Carbon dioxide (CAS         TWA         9000 mg/m3           Carbon dioxide (CAS         TWA         9000 mg/m3           Carbon dioxide (CAS         TWA         9000 mg/m3           124-38-9)         STEL         5000 ppm           Propylene glycol monomethyl tetter acetate (CAS 108-65-6)         TWA         9000 mg/m3           Type         Value         275 mg/m3 50 ppm         500 ppm           Ireland. Occupational Exposure Limits Components         Type         Value           Carbon dioxide (CAS 124-38-9)         STEL         27000 mg/m3 500 ppm           Propylene glycol monomethyl tetre acetate (CAS 108-65-6)         STEL         5000 ppm           TWA         27000 mg/m3 5000 ppm         5000 ppm           Propylene glycol monomethyl tetre acetate (CAS 108-65-6)         STEL         5000 ppm           TWA         275 mg/m3 5000 ppm         5000 ppm           TWA<		TWA	-
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(CAS 108-65-6)     TWA     275 mg/m3       Iceland. OELs. Regulation 154/1999 on occupational exposure limits     Components     Value       Carbon dioxide (CAS     TWA     9000 mg/m3       124-38-9)     TWA     9000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     550 mg/m3       Image: reland. Occupational Exposure Limits Components     TWA     275 mg/m3 50 ppm       Image: reland. Occupational Exposure Limits Components     Type     Value       Carbon dioxide (CAS     STEL     27000 mg/m3 5000 ppm       124-38-9)     TWA     9000 mg/m3 5000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     27000 mg/m3 5000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     STEL     550 mg/m3 5000 ppm       Propylene glycol monomethyl ether acetate (CAS 108-65-6)     TWA     9000 mg/m3 500 ppm       Italy. Occupational Exposure Limits Components     Type     Value       Carbon dioxide (CAS 124-38-9)     TWA     9000 mg/m3 50 ppm		STEL	550 mg/m3
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124-38-9)       15000 ppm         Propylene glycol       TWA       9000 mg/m3         monomethyl ether acetate       550 mg/m3         (CAS 108-65-6)       TWA       100 ppm         TWA       275 mg/m3         50 ppm       50 ppm         Italy. Occupational Exposure Limits       Type       Value         Carbon dioxide (CAS       TWA       9000 mg/m3         124-38-9)       TWA       5000 ppm			Value
TWA15000 ppmPropylene glycol monomethyl ether acetate (CAS 108-65-6)STEL550 mg/m3TWA550 mg/m3TWA100 ppmTWA275 mg/m3 50 ppmItaly. Occupational Exposure Limits ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm	Carbon dioxide (CAS	STEL	27000 mg/m3
TWA9000 mg/m3 5000 ppmPropylene glycol monomethyl ether acetate (CAS 108-65-6)STEL550 mg/m3TWA100 ppm 275 mg/m3 50 ppmItaly. Occupational Exposure Limits ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm	124-38-9)		15000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)STEL5000 ppm 550 mg/m3TWA100 ppm 275 mg/m3 50 ppmItaly. Occupational Exposure Limits ComponentsYupeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm		TWA	
monomethyl ether acetate (CAS 108-65-6) TWA 275 mg/m3 50 ppm Italy. Occupational Exposure Limits Components Type Value Carbon dioxide (CAS 108-65-6) TWA 9000 mg/m3 124-38-9) 5000 ppm			5000 ppm
TWA100 ppm 275 mg/m3 50 ppmItaly. Occupational Exposure Limits ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm	monomethyl ether acetate	STEL	550 mg/m3
TWA275 mg/m3 50 ppmItaly. Occupational Exposure Limits ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm	(0-00-001 0/0)		100 ppm
Italy. Occupational Exposure Limits ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m35000 ppm5000 ppm		TWA	275 mg/m3
ComponentsTypeValueCarbon dioxide (CAS 124-38-9)TWA9000 mg/m3 5000 ppm		_	50 ppm
Carbon dioxide (CAS         TWA         9000 mg/m3           124-38-9)         5000 ppm			Value
124-38-9) 5000 ppm			
			-
	Propylene glycol	STEL	5000 ppm 550 mg/m3
monomethyl ether acetate (CAS 108-65-6)	monomethyl ether acetate	SIEL	SSU mg/ms
100 ppm			100 ppm
TWA 275 mg/m3		TWA	-
50 ppm			50 ppm

	Туре	ubstances in work environment Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	5000 ppm 550 mg/m3	
	TWA	100 ppm 275 mg/m3 50 ppm	
Lithuania. OELs. Limit Values for C Components	Chemical Substances, Gener Type	al Requirements Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	5000 ppm 400 mg/m3	
	TWA	75 ppm 250 mg/m3 50 ppm	
Luxembourg. Binding Occupationa Components	l exposure limit values (Ann Type	ex I), Memorial A Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	5000 ppm 550 mg/m3	
	TWA	100 ppm 275 mg/m3 50 ppm	
Schedules I and V)		Occupational Health and Safety Authority Act (CA	P. 424)
Components	Туре	Value	
	TWA	9000 mg/m3	
124-38-9) Propylene glycol monomethyl ether acetate		9000 mg/m3 5000 ppm 550 mg/m3	
Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6)	TWA	5000 ppm	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding)	TWA	5000 ppm 550 mg/m3 100 ppm 275 mg/m3	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding) Components Carbon dioxide (CAS	TWA STEL TWA	5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding) Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate	TWA STEL TWA <b>Type</b>	5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm <b>Value</b>	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding) Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Norway. Administrative Norms for C	TWA STEL TWA <b>Type</b> TWA TWA	5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm <b>Value</b> 9000 mg/m3 550 mg/m3	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding) Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Norway. Administrative Norms for C Components Carbon dioxide (CAS	TWA STEL TWA TWA TWA TWA TWA	5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm Value 9000 mg/m3 550 mg/m3	
124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Netherlands. OELs (binding) Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) Norway. Administrative Norms for C Components Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9) d-limonene (CAS	TWA STEL TWA TWA TWA TWA TWA Contaminants in the Workpla Type	5000 ppm         550 mg/m3         100 ppm         275 mg/m3         50 ppm         Value         9000 mg/m3         550 mg/m3         fce         Value         9000 mg/m3         550 mg/m3	
124-38-9) Propylene glycol monomethyl ether acetate	TWA STEL TWA	5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm Value 9000 mg/m3 550 mg/m3 ice Value 9000 mg/m3 5000 ppm	

Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	STEL	27000 mg/m3
	TWA	9000 mg/m3
Propylene glycol nonomethyl ether acetate CAS 108-65-6)	STEL	520 mg/m3
	TWA	260 mg/m3
Portugal. OELs. Decree-Law n. 290/2 Components	2001 (Journal of the Repub Type	lic - 1 Series A, n.266) Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
Propylene glycol nonomethyl ether acetate CAS 108-65-6)	STEL	5000 ppm 550 mg/m3
		100 ppm
	TWA	275 mg/m3 50 ppm
Portugal. VLEs. Norm on occupation	al exposure to chemical a	
Components	Type	Value
Carbon dioxide (CAS 24-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Romania. OELs. Protection of worke Components	ers from exposure to chem Type	ical agents at the workplace Value
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
		5000 ppm
Propylene glycol nonomethyl ether acetate CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Slovakia. OELs. Regulation No. 300/ Components	2007 concerning protection Type	n of health in work with chemical agents Value
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
		5000 ppm
Propylene glycol nonomethyl ether acetate CAS 108-65-6)	STEL	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Official Gazette of the Republic of S	lovenia)	against risks due to exposure to chemicals while workin
Components	Туре	Value
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
		5000 ppm
Propylene glycol nonomethyl ether acetate CAS 108-65-6)	TWA	275 mg/m3
Spain. Occupational Exposure Limit	e	50 ppm
Components	s Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9150 mg/m3
,		5000 ppm

Spain. Occupational Exposure Components	Туре	Value
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	550 mg/m3
(040 100-03-0)		100 ppm
	TWA	275 mg/m3
		50 ppm
Sweden. Occupational Expos	ure Limit Values	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	STEL	18000 mg/m3
		10000 ppm
	TWA	9000 mg/m3
		5000 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	Ceiling	550 mg/m3
		100 ppm
	TWA	275 mg/m3
		50 ppm
Switzerland. SUVA Grenzwert	-	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
d-limonene (CAS 5989-27-5)	STEL	80 mg/m3
		14 ppm
	TWA	40 mg/m3
		7 ppm
Propylene glycol monomethyl ether acetate (CAS 108-65-6)	STEL	275 mg/m3
· · · · · ·		50 ppm
	TWA	275 mg/m3
		50 ppm
UK. EH40 Workplace Exposur	e Limits (WELs)	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	STEL	27400 mg/m3
		15000 ppm
	TWA	9150 mg/m3
		5000 ppm
Propylene glycol	STEL	548 mg/m3
monomethyl ether acetate		
(CAS 108-65-6)		100 ppm
	TWA	100 ppm 274 mg/m3
	TWA	
(CAS 108-65-6)		274 mg/m3 50 ppm
(CAS 108-65-6) EU. Indicative Exposure Limit		274 mg/m3
(CAS 108-65-6) EU. Indicative Exposure Limit Components Carbon dioxide (CAS	Values in Directives 91/322/EEC, 2	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU
(CAS 108-65-6) EU. Indicative Exposure Limit Components Carbon dioxide (CAS	Values in Directives 91/322/EEC, Type	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value
(CAS 108-65-6) EU. Indicative Exposure Limit Components	Values in Directives 91/322/EEC, Type	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value 9000 mg/m3
(CAS 108-65-6) <b>EU. Indicative Exposure Limit</b> <b>Components</b> Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate	Values in Directives 91/322/EEC, Type TWA	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value 9000 mg/m3 5000 ppm 550 mg/m3 100 ppm
(CAS 108-65-6) <b>EU. Indicative Exposure Limit</b> <b>Components</b> Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate	Values in Directives 91/322/EEC, Type TWA	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value 9000 mg/m3 5000 ppm 550 mg/m3 100 ppm 275 mg/m3
(CAS 108-65-6) <b>EU. Indicative Exposure Limit</b> Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6)	Values in Directives 91/322/EEC, Type TWA STEL TWA	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value 9000 mg/m3 5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm
(CAS 108-65-6) EU. Indicative Exposure Limit Components Carbon dioxide (CAS 124-38-9) Propylene glycol monomethyl ether acetate (CAS 108-65-6) ogical limit values	Values in Directives 91/322/EEC, Type TWA STEL	274 mg/m3 50 ppm 2000/39/EC, 2006/15/EC, 2009/161/EU Value 9000 mg/m3 5000 ppm 550 mg/m3 100 ppm 275 mg/m3 50 ppm or the ingredient(s).

Derived no effect levels (DNELs)	Not available.	
Predicted no effect concentrations (PNECs)	Not available.	
Exposure guidelines		
EU Exposure Limit Values:	Skin designation	
Propylene glycol monom 108-65-6)	ethyl ether acetate (CAS Can be absorbed through the skin.	
Slovenia. OELs. Regulation (Official Gazette of the Repu	s concerning protection of workers against risks due to exposure to chemicals while working ublic of Slovenia)	g
Propylene glycol monom 108-65-6)	ethyl ether acetate (CAS Can be absorbed through the skin.	
8.2. Exposure controls		
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. Eye wash facilities and emergency shower must be available when handling this product.	
Individual protection measures,	such as personal protective equipment	
General information	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.	I
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Skin protection		
- Hand protection	Wear appropriate chemical resistant gloves.	
- Other	Wear appropriate chemical resistant clothing.	
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.	
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.	
Hygiene measures	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 no be allowed out of the workplace.	ot
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases.	

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

### 9.1. Information on basic physical and chemical properties

Appearance

Physical state	Gas.
Form	Aerosol
Colour	Clear water-white.
Odour	Mild. Orange.
Odour threshold	Not established
рН	Not applicable
Melting point/freezing point	Not established
Initial boiling point and boiling range	157 °C (314,6 °F)
Flash point	40,0 °C (104,0 °F) Tag closed cup (dispensed liquid)
Evaporation rate	0,2 (BuAc = 1)
Flammability (solid, gas)	Flammable gas.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	0,7 %
Flammability limit - upper (%)	6 %
Vapour pressure	2 mm Hg @20°C
Vapour density	4,8 - 5,3
Relative density	Not available.

Solubility(ies)	
Solubility (water)	Slightly soluble in water.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 228 °C (> 442,4 °F)
Decomposition temperature	Not established
Viscosity	< 3 cSt @25°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Heat of combustion	> 30 kJ/g
Percent volatile	100 %
Specific gravity	0,77 - 0,79 @20°C
VOC	97,2 % per US 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. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

### **SECTION 11: Toxicological information**

**General information** 

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

Information on likely routes of exposure	
Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms	Aspiration may cause pulmonary oedema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### 11.1. Information on toxicological effects

Acute toxicity	May be fatal if swallowed and e	nters airways. May cause an allergic skin reaction.
Components	Species	Test results
Distillates Petroleum Hydr	otreated Light (CAS 64742-47-8)	
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
Vapour		
LC50	Rat	> 4,5 mg/l, 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
d-limonene (CAS 5989-27	/-5)	
Acute		
Oral		
LD50	Rat	> 2000 mg/kg

Propylene glycol monomethyl ether acetate (CAS 108-65-6) Acute Dermal LD50 Rat > 2000 mg/kg, 24 Hours Oral LD50 Rat > 14,1 ml Skin corresion/irritation Serious eye damage/eye Irritation Respiratory sensitisation Causes skin irritation. Serious eye damage/eye Irritation Respiratory sensitisation Not a respiratory sensitizer. Skin sensitisation Not a respiratory sensitizer. Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGH, NTP, or OSHA. Hungary, 26/2000 EúM Ordinance on protection against and preventing risk relating to exposure to carcinogenist w (as amended) Not listed. IARC Monographs, Overall Evaluation of Carcinogenicity d-limomer (CAS 5989-27-5) 3 Not classifiable as to carcinogenidity to humans. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific larget organ toxicity - May cause drowsiness and dizziness. single exposure Aspiration hazard May be fatal if swallowed and enters airways. Mixture versus substance No information available. information None known. SECTION 12: Ecological information 12.1. Toxicity Toxic to aquallo life with long lasting effects. Components <u>Species Test results</u> Distillates Petroleum Hydrotreated Light (CAS 64742.47.8) Aquatic Fish LC50 Rainbow trout,donaldson trout 12.2. Persistence and Grustacea EC50 Water flea (Daphnia pulex) 69.6 mg/l, 48 hours Fish LC50 Fathead minnow (Pimophales promelas) 0.616 - 0.796 mg/l, 96 hours 12.2. Persistence and dimonent 4.232 Bioconcentration factor (BCF) Not available. 12.5. Bokito PET 12.5. Audition PET 12.5. Bokito PET 12.6. Other adverse effects Not available. 12.6. Other adverse effects None known.	Components	Species	1	<b>Fest results</b>
bernal	Propylene glycol monomethyl eth	er acetate (CAS	S 108-65-6)	
LD50       Rat       > 2000 mg/kg, 24 Hours         Orai	Acute			
Oral LDS0         Fat         > 14,1 ml           Skin corrosion/initiation         Causes skin initiation.         Sectors eye damage/eye         Direct contact with eyes may cause temporary irritation.           Skin corrosion/initiation         Not a respiratory sensitizer.         Skin corrosion/initiation         Not a respiratory sensitizer.           Skin sensitisation         May cause an allergic skin reaction.         Gem cell mutagenic or genotoxic.         Scin corrosion/initiation no corrosidered to be a carcinogen by IARC. ACGIH, NTP, or OSHA.           Hungary, 26/2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w (as amended)         Not listed.           Not listed.         IARC Monographs. Overall Evaluation of Carcinogenicity of humans.         Specific target organ toxicity.           Not listed.         May cause drowsiness and dizziness.         Specific target organ toxicity.           Specific target organ toxicity.         May cause drowsiness and dizziness.         Specific target organ toxicity.           Specific target organ toxicity.         No information available.         No information available.           Strict response         Specific target organ toxicity.         No information available.           Strict response         Specific target organ toxicity.         No information available.           Strict response         Specific target organ toxicity.         Specino         Spec	Dermal			
L050     Rat     > 14,1 ml       Skin corrosion/irritation     Causes skin irritation.     Sepretaives enables irritation.       Respiratory sensitisation     Not a respiratory sensitizer.       Skin sensitisation     May cause an allergic skin reaction.       Germ cell mutagenicelity     Not data available to indicate product or any components present at greater than 0.1% are mutagenice or genotoxic.       Carcinogenicity     This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.       Hungary. 26/2000 EUM Ordination considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.       Not listed.     IARC Monographs. Overgath.       IARC Monographs. Overgath.     This product is not expected to cause reproductive or developmental effects.       Specific argon toxicity - repeated exposure     Not classified.       repeated exposure     May cause drowsiness and dizziness.       Specific argon toxicity - repeated exposure     Not lassified.       repeated exposure     May be fatal if swallowed and enters alrways.       Mixture versue substance     No liformation available.       Other Information     None known.       Specific argon toxicity - formation     Species       T11. Toxicity     Toxic to aquatic life with long lasting effects.       Components     Species     Test results       Aquatic     Fish     LC50     Rahabow trout,donaldson trout, donaldson frout, donald, a hours <td>LD50</td> <td>Rat</td> <td>&gt;</td> <td>2000 mg/kg, 24 Hours</td>	LD50	Rat	>	2000 mg/kg, 24 Hours
Skin corresion/irritation     Causes skin irritation.       Serious eye damage/eye     Direct contact with eyes may cause temporary irritation.       Irritation     May cause an allergic skin reaction.       Gern cell mutagenic bit     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.       Hungary, 26/2000 EUM Or Grance on protection against and preventing risk relating to exposure to carcinogens at w (as amended)       Not listed.       IARC Monographs. Overall Evaluation of Carcinogenicity       d-limonene (CAS 5989-27-5)       3 Not classifiable as to carcinogenicity to humans.       Specific target organ toxicity-single exposure       Specific target organ toxicity-single exposure       Specific target organ toxicity-Not classified.       Reprotective toxicity     May cause drowsiness and dizziness.       Specific target organ toxicity-single exposure     Not information available.       Stritter versus substance     No information available.       Other information     None known.       SECTION 12: Ecological information     Species       Tish     LC50     Rainbur trout, classified minow (Prinephale gromelas)       Ontoritynchus mykiss)     dilmonene     69,6 mg/l, 48 hours       Tish     LC50     Fathead minow (Prinephale gromelas)     0,61	Oral			
Serious eye damage/eye irritation     Direct contact with eyes may cause temporary irritation.       Respiratory sensitisation     Not a respiratory sensitizer.       Skin sensitisation     May cause an allergic skin reaction.       Gern 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.       Hungary, Sci2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogenes at w (as amended)       Not listed.     IARC Monographs. Overall Evaluation of Carcinogenicity d-limonere (CAS 5989-27-5)       3 Not classifiable as to carcinogenicity to humans.       Reproductive toxicity     This product is not expected to cause reproductive or developmental effects.       Specific target organ toxicity - single exposure     Not classified.       Retrated exposure     No information available.       Nother information     None known.       SECTION 12: Ecological information     Species       Tish     Concorrinynchrus mykiss)       Aquatic     Fish       Fish     LC50       Rationene (CAS 5989-27-5)     Gathead minnow (Pinnephale promelas)       Aquatic     Gotto aquatic life with long lasting effects.       Congenents     Species     Test results       Distillates Peroteum Hydrotreated Ught (CAS 64742-47-8)	LD50	Rat	>	• 14,1 ml
irritation Respiratory sensitiation Kin sensitisation 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. Hungary. 26/2000 EMM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w (as amended) Not listed. IARC Monographs. Overall Evaluation of Carcinogenicity d-limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans. Reproductive toxicity Specific target organ toxicity- Specific target organ toxicity- Specific target organ toxicity- Specific target organ toxicity- Not classified. Reproductive toxicity May cause drowsiness and dizziness. Specific target organ toxicity- Specific target organ toxicity- Specific target organ toxicity- Not classified. Reproductive versus substance information None known. SECTION 12: Ecological information 12.1. Toxicity Components Specific target organ toxicity- Fish LC50 Rainbow trout.donaldson trout (Oncorhynchus mykiss) d-limonene (CAS 5989-27-5) Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 0,619-0,796 mg/l, 96 hours (Oncorhynchus mykiss) d-limonene (As 5989-27-5) Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 0,619-0,796 mg/l, 96 hours (Crustacea EC50 Water flea (Daphnia pulex) 69,6 mg/l, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) 0,619-0,796 mg/l, 96 hours (Data is available on the degradability of this product. Horgitar Al (As available) Horgitar Al (As for (BCF) Not available. 12.5. Results of PBT and vPVB assessment	Skin corrosion/irritation	Causes skin	irritation.	
Skin sensitisation     May cause an allergic skin reaction.       Gem 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.       Hungary. 26/2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w (as amended)       Not listed.       IARC Monographs. Overall Evaluation of Carcinogenicity       d-limonene (OAS 5989-27-5)     3 Not classifiable as to carcinogenicity to humans.       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 information available.       Information     None known.       SECTION 12: Ecological information available.     Toxic to aquatic life with long lasting effects.       Components     Species     Test results       Justica expected addition     Species     Test results       Justica expected addition with long lasting promoters mykiss)     0,619 - 0,796 mg/l, 96 hours       Grunnene (CAS 5989-27.5)     Aquatic     Species       Aquatic     Custo available on the degradability of this product.       Grunnene (CAS 5989-27.5)     Kate addition with (Concrigence mykiss)       Aquatic     No data ava		Direct contac	t with eyes may cause temporary irritation	
Germ cell mutagenicity     No data available io 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.       Hungary. 26/2000 EŭM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w (as amended).       Not listed.     IARC Monographs. Overall Evaluation of Carcinogenicity       d-dimonene (CAS 5989-27-5)     3 Not classifiable as to carcinogenicity to humans.       Specific target organ toxicity - single exposure     May cause drowsiness and dizziness.       Specific target organ toxicity - repeated exposure     Not classified.       Reproductive toxicity     Not classified.       Specific target organ toxicity - repeated exposure     Not classified.       Specific target organ toxicity - repeated exposure     Not classified.       Specific target organ toxicity - repeated exposure     Not classified.       Specific target organ toxicity - repeated exposure     No information available.     Toxic to aquatic life with long lasting effects.       Components     Species     Test results       Distillates Petroleum Hydrotreated Lift (SAS 8474-247-8)     Aquatic       Aquatic     Fish     LC50     Rainbow trout,donaldson trout     2,9 mg/l, 96 hours       Crustacea     EC50     Water flea (Daphnia pulex)     69,6 mg/l, 48 hours       Crustacea     EC50     Vater	Respiratory sensitisation	Not a respira	tory sensitizer.	
mutagenic or genotoxic.       mutagenic or genotoxic.         Carcinogenicity       This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.         Hungary, 26/2006 EM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w         (as amended)	Skin sensitisation	May cause a	n allergic skin reaction.	
Hungary. 26/2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogens at w	Germ cell mutagenicity			ts present at greater than 0.1% are
(as amended) Not listed.       Not listed.         IARC Monographs. Overall Evaluation of Carcinogenicity d-limonene (CAS 5989-27-5)       3 Not classifiable as to carcinogenicity to humans.         Reproductive toxicity single exposure       This product is not expected to cause reproductive or developmental effects.         Specific target organ toxicity- repeated exposure       May cause drowsiness and dizziness.         Specific target organ toxicity- repeated exposure       Not classified.         Aspiration hazard       May be fatal if swallowed and enters airways.         Mixture versus substance information       Noin information available.         Other information       None known.         SECTION 12: Ecological information Uther information       None known.         SECTION 12: Ecological Linformation       Iswallowed and enters airways.         Aquatic Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykis)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5) Aquatic Grustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         T2.2. Persistence and degradability       No data is available on the degradability of this product.       Versimple is product.         12.3. Bioaccumulative potential Genconcentration factor (BCF)       Not available.       > 1 (2,13,23)       1 (2,13,23)         12.4. Mobility in soil       No data available.       > 1 (2,4,32) <td>Carcinogenicity</td> <td colspan="2">This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.</td>	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.         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       May be fatal if swallowed and enters airways.         Mixture versus substance information       No information available.         Other information       None known.         Section 12: Ecological information available.         Information       None known.         Statistic to aquatic life with long lasting effects.         Components       Species       Test results         Distilates Petroleum Hydrotreated Light (CAS 64742-47-8)         Aquatic       Koncorrynnchus mykiss)       2,9 mg/l, 96 hours         Fish       LC50       Rainbow trout,donaldson trout (Oncorrhynchus mykiss)       69,6 mg/l, 48 hours         fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Resistence and degradability       No data		inance on prot	ection against and preventing risk relati	ng to exposure to carcinogens at work
d-limonene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans. 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. Specific target organ toxicity- repeated exposure Not classified. Specific target organ toxicity- repeated exposure Not classified. Not classified. Not information available. Information None known. SECTION 12: Ecological information I 12.1. Toxicity Toxic to availe life with long lasting effects. Components Species Test results Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) Aquatic Fish LC50 Rainbow trout,donaldson trout 2.9 mg/l, 96 hours (Oncorhynchus mykiss) d-limonene (CAS 5989-27-5) Aquatic Fish LC50 Fathead minnow (Pimephales promelas) 0,619 - 0,796 mg/l, 96 hours Fish LC50 Fathead minnow (Pimephales promelas) 0,619 - 0,796 mg/l, 96 hours No data is available on the degradability of this product. 12.2. Persistence and corustacea EC50 Water flea (Daphnia pulex) 69,6 mg/l, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) 0,619 - 0,796 mg/l, 96 hours 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) > 1 4,232 Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil No data available. 12.5. Results of PBT adv PVB assessment		Free la set a set a		
Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.         Specific target organ toxicity-single exposure       May cause drowsiness and dizziness.         Aspiration hazard       Not classified.         Aspiration hazard       May be fatal if swallowed and enters airways.         Mixture versus substance information       Noin offormation available.         Other information       None known.         SEECTION 12: Ecological information       Toxic to aquatic life with long lasting effects.       Test results         Components       Specific arget organ (CAS 5989-27:5)       Aquatic (Crustacea       EC50       Rainbow trout.donaldson trout (Oncorhynchus mykiss)       69,6 mg/l, 48 hours         climonene (CAS 5989-27:5)       Aquatic (Crustacea       EC50       Fathead minnow (Pimephales promela)       0,619 - 0,796 mg/l, 96 hours         t2.1 Paritino coefficient moctanol/water (log Kow)       >1       4,232         Paritino coefficient moctanol/water (log Kow)       >1       4,232         Bioconcentration factor (BCF)       Not available.       >1       4,232         Bioconcentration factor (BCF)       Not available.       >1       4,232         Bioconcentration factor BCF)       Not available.       >1       1         12.5. Results of PBT and wPVB       Not available.       >1				
Specific target organ toxicity - single exposure       May cause drowsiness and dizziness.         Specific target organ toxicity - repeated exposure       Not classified.         Aspiration hazard       May be fatal if swallowed and enters airways.         Mixture versus substance information       Noi formation available.         Other information       None known.         SECTION 12: Ecological information       None known.         SECTION 12: Ecological information       Toxic to aquatic life with long lasting effects.         Components       Species       Test results         Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) Aquatic Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5) Aquatic Fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.       4,322         Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limonene       > 1 4,232       > 1 4,232         Bicooncentration factor (BCF)       Not available.       Not available.       Not available.         12.4. Mobility in soil       No data available.       Not available.       Not available.	,	,		
single exposure Specific target organ toxicity - repeated exposure Aspiration hazard May be fatal if swallowed and enters airways. Mixture versus substance information Other information None known. SECTION 12: Ecological information Xeconopents Species Test results Components Com	. ,	•		evelopmental ellects.
Aspiration hazard       May be fatal if swallowed and enters airways.         Mixture versus substance information       No information available.         Other information       None known.         SECTION 12: Ecological information       Information available.         12.1. Toxicity       Toxic to aquatic life with long lasting effects.         Components       Species         Aquatic       Fish         Fish       LC50         Aquatic       Rainbow trout,donaldson trout (Oncorhynchus mykiss)         d-limonene (CAS 5989-27-5)       Aquatic         Aquatic       Fish         Fish       LC50         Kapatic       Species         Fish       LC50         Value       Fathead minnow (Pimephales promelas)         0.619 - 0.796 mg/l, 96 hours         (Daccumulative potential         Partition coefficient         r-ocanol/water (log Kow)         LPS® F1-04 (Aerosol)       > 1         d-limonene       4,232         Biconcentration factor (BCF)       Not available.         12.5. Results of PBT and vPVB       Not available.	single exposure	·		
Mixture versus substance information       No information available.         Other information       None known.         SECTION 12: Ecological information         12.1. Toxicity       Toxic to aquatic life with long lasting effects.         Components       Species       Test results         Distillates Petroleum Hydrotreated Light (CAS 64742-47-8) Aquatic Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5)       Aquatic Crustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.         12.3. Bioaccumulative potential       No data is available on the degradability of this product.         Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol)       > 1 4,232         Bioconcentration factor (BCF)       Not available.       No data available.         12.5. Results of PBT and vPVB       Not available.       Not available.		Not classified	1.	
Information         None known.           SECTION 12: Ecological information           Toxic to aquatic life with long lasting effects.           Components         Species         Test results           Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)         Aquatic         \$3000000000000000000000000000000000000	Aspiration hazard	May be fatal	if swallowed and enters airways.	
Section 12: Ecological information         Section 12: Ecological information         12.1. Toxicity       Toxic to aquatic life with long lasting effects.         Components       Species       Test results         Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)       Aquatic       Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5)       Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         Aquatic         Crustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.       Partition coefficient n-noctanol/water (log Kow)       Not data is available on the degradability of this product.         LPS® F-104 (Aerosol)       > 1       - 1       - 1       - 1       - 1         diamonene       4,232         Bioconcentration factor (BCF)       Not available.         L2.4. Mobility in soil       No data available.         L2.4. Mobility in soil       No data available.         L2.5. Results of PBT and VPB       Agasessment		No informatio	on available.	
12.1. Toxicity       Toxic to aquatic life with long lasting effects.       Test results         Components       Species       Test results         Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)       Aquatic       2,9 mg/l, 96 hours         Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5)       Aquatic       2,9 mg/l, 96 hours         Aquatic       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         Fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.       Fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.3. Bioaccumulative potential       Partition coefficient       No data is available       > 1       4,232         Bioconcentration factor (BCF)       Not available.       > 1       4,232       Status of PBT and vPvB assessment       Not available.       Status of PBT	Other information	None known.		
Components       Species       Test results         Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)       Aquatic       2,9 mg/l, 96 hours         Fish       LC50       Rainbow trout, donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5)       Aquatic       2,9 mg/l, 96 hours         Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         Fish       LC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.       51         12.3. Bioaccumulative potential       Vestore (log Kow)       > 1         LPS® F-104 (Aerosol)       > 1       4,232         Bioconcentration factor (BCF)       Not available.       Not available.         12.5. Results of PBT and vPvB assessment       Not available.       Not available.	SECTION 12: Ecological i	nformation		
Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)          Aquatic       Fish       LC50       Rainbow trout,donaldson trout (Oncorhynchus mykiss)       2,9 mg/l, 96 hours         d-limonene (CAS 5989-27-5)       Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       69,6 mg/l, 48 hours         Aquatic       Crustacea       EC50       Fathead minnow (Pimephales promelas)       0,619 - 0,796 mg/l, 96 hours         12.2. Persistence and degradability       No data is available on the degradability of this product.       10.519 - 0,796 mg/l, 96 hours         12.3. Bioaccumulative potential       No data is available on the degradability of this product.       10.519 - 0,796 mg/l, 96 hours         Partition coefficient n-octanol/water (log Kow)       > 1       4,232         Bioconcentration factor (BCF)       Not available.       4,232         Bioconcentration factor (BCF)       No data available.       12.5. Results of PBT         and vPvB       assessment       Not available.	-	Toxic to aqua	atic life with long lasting effects.	
Aquatic FishLC50Rainbow trout, donaldson trout (Oncorhynchus mykiss)2,9 mg/l, 96 hoursd-limonene (CAS 5989-27-5) Aquatic CrustaceaEC50Water flea (Daphnia pulex)69,6 mg/l, 48 hoursCrustaceaEC50Water flea (Daphnia pulex)0,619 - 0,796 mg/l, 96 hoursFishLC50Fathead minnow (Pimephales promelas)0,619 - 0,796 mg/l, 96 hours12.2. Persistence and degradabilityNo data is available on the degradability of this product12.3. Bioaccumulative potentialPartition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limoneneNot available.12.4. Mobility in soilNot available12.5. Results of PBT and vPvB assessmentNot available	Components		Species	Test results
FishLC50Rainbow trout, donaldson trout (Oncorhynchus mykiss)2,9 mg/l, 96 hoursd-limonene (CAS 5989-27-5)AquaticImage: ConstanceImage: ConstanceImage: ConstanceImage: ConstanceAquaticEC50Water flea (Daphnia pulex)69,6 mg/l, 48 hoursImage: ConstanceImage: ConstanceTishLC50Fathead minnow (Pimephales promelas)0,619 - 0,796 mg/l, 96 hoursImage: Constance12.2. Persistence and degradabilityNo data is av-ible on the degradability of this product.Image: ConstanceImage: ConstancePartition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limoneneNot available.Image: ConstanceImage: Constance12.4. Mobility in soilNot available.Image: ConstanceNot available.Image: ConstanceImage: Constance12.5. Results of PBT and vPvB assessmentNot available.Image: ConstanceImage: ConstanceImage: ConstanceImage: Constance2.5. Results of PBT and vPvBNot available.Image: ConstanceImage: ConstanceImage: ConstanceImage: Constance2.5. Results of PBT and vPvBNot available.Image: ConstanceImage: ConstanceImage: ConstanceImage: Constance2.5. Results of PBT and vPvBImage: ConstanceImage: ConstanceImage: ConstanceImage: ConstanceImage: Constance2.5. Results of PBT and vPvBImage: ConstanceImage: ConstanceImage: ConstanceImage: ConstanceImage: Constance2.5. Results of PBT and vPvBImage: Co	Distillates Petroleum Hydrotreate	d Light (CAS 64	742-47-8)	
d-limonene (CAS 5989-27-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 69,6 mg/l, 48 hours Fish LC50 Fathead minnow (Pimephales promelas) 0,619 - 0,796 mg/l, 96 hours 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limonene 4,232 Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT and vPvB assessment	•			
Aquatic CrustaceaEC50Water flea (Daphnia pulex)69,6 mg/l, 48 hoursFishLC50Fathead minnow (Pimephales promelas)0,619 - 0,796 mg/l, 96 hours12.2. Persistence and degradabilityNo data is available on the degradability of this product.12.3. Bioaccumulative potentialNo data is available on the degradability of this product.Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limonene> 1 4,232Bioconcentration factor (BCF)Not available.12.4. Mobility in soilNot available.12.5. Results of PBT and vPvB assessmentNot available.	Fish	LC50		2,9 mg/l, 96 hours
CrustaceaEC50Water flea (Daphnia pulex)69,6 mg/l, 48 hoursFishLC50Fathead minnow (Pimephales promelas)0,619 - 0,796 mg/l, 96 hours12.2. Persistence and degradabilityNo data is autible on the degradability of this product.12.3. Bioaccumulative potentialNo data is autible on the degradability of this product.12.3. Bioaccumulative potentialEC50Partition coefficient n-octanol/water (log Kow) d-limoneneNot available.LPS® F-104 (Aerosol) d-limoneneNot available.12.4. Mobility in soilNot available.12.5. Results of PBT and vPvB assessmentNot available.				
FishLC50Fathead minnow (Pimephales promelas) 0,619 - 0,796 mg/l, 96 hours12.2. Persistence and degradabilityNo data is available on the degradability of this product.12.3. Bioaccumulative potential	-	5050	Material (D. 1. 1. 1. )	00.0
12.2. Persistence and degradability       No data is available on the degradability of this product.         12.3. Bioaccumulative potential       Partition coefficient         Partition coefficient       > 1         n-octanol/water (log Kow)       > 1         d-limonene       4,232         Bioconcentration factor (BCF)       Not available.         12.4. Mobility in soil       No data available.         12.5. Results of PBT       Not available.         and vPvB       Not available.				
degradability         12.3. Bioaccumulative potential         Partition coefficient         n-octanol/water (log Kow)         LPS® F-104 (Aerosol)         d-limonene         4.232         Bioconcentration factor (BCF)         Not available.         12.4. Mobility in soil         No data available.         12.5. Results of PBT         and vPvB         assessment	Fish	LC50	Fathead minnow (Pimephales promelas	) 0,619 - 0,796 mg/l, 96 hours
Partition coefficient n-octanol/water (log Kow) LPS® F-104 (Aerosol) d-limonene       > 1         d-limonene       4,232         Bioconcentration factor (BCF)       Not available.         12.4. Mobility in soil       No data available.         12.5. Results of PBT and vPvB assessment       Not available.		No data is av	ailable on the degradability of this product	
n-octanol/water (log Kow) LPS® F-104 (Aerosol) > 1 d-limonene 4,232 Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil No data available. 12.5. Results of PBT Not available. and vPvB assessment	12.3. Bioaccumulative potentia	I		
12.4. Mobility in soilNo data available.12.5. Results of PBTNot available.and vPvBassessment	n-octanol/water (log Kow) LPS® F-104 (Aerosol)			
12.5. Results of PBT     Not available.       and vPvB     assessment	Bioconcentration factor (BCF)	Not available		
and vPvB assessment	12.4. Mobility in soil	No data avai	able.	
	and vPvB	Not available		
IZ.O. OTHER AUVELSE ETHECTS INVITE NOUVEL.		Nono known		
	12.0. Other adverse effects	NOTE KHOWN.		

# SECTION 13: Disposal considerations

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	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
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. 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.
Special precautions	Dispose in accordance with all applicable regulations.

## **SECTION 14: Transport information**

ADR

ADR	
14.1. UN number	UN1950
14.2. UN proper shipping	Aerosols, flammable (d-limonene, Naphtha)
name	
14.3. Transport hazard class	s(es)
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Hazard No. (ADR)	Not available.
Tunnel restriction code	
14.4. Packing group	Not applicable.
14.5. Environmental hazard	
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
RID	
14.1. UN number	UN1950
14.2. UN proper shipping	Aerosols, flammable (d-limonene, Naphtha)
name	()
14.3. Transport hazard class	
Class Subsidieru riek	2.1
Subsidiary risk	-
Label(s)	2.1 Not applicable.
14.4. Packing group 14.5. Environmental hazards	
14.5. Environmental hazards	Read safety instructions, SDS and emergency procedures before handling.
for user	nead salety instructions, SDS and emergency procedures before nandling.
ADN	
14.1. UN number	UN1950
14.2. UN proper shipping	Aerosols, flammable (d-limonene, Naphtha)
name	
14.3. Transport hazard class	s(es)
Class	2.1
Subsidiary risk	
Label(s)	2.1
14.4. Packing group	Not applicable.
14.5. Environmental hazard	s Yes
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
ΙΑΤΑ	
14.1. UN number	UN1950
14.2. UN proper shipping	Aerosols, flammable (d-limonene, Naphtha)
name	
14.3. Transport hazard class	
Class	2.1
Subsidiary risk	-
Label(s) 14.4. Packing group	2.1 Not applicable
14.4. Packing group 14.5. Environmental hazards	Not applicable.
14.5. Environmental nazards	Read safety instructions, SDS and emergency procedures before handling.
for user	

Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
14.1. UN number	UN1950
14.2. UN proper shipping name	Aerosols, flammable (d-limonene, Naphtha), MARINE POLLUTANT
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	
Marine pollutant	Yes
EmS	F-D, S-U
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
ADN; ADR; IATA; IMDG; RID	



Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant.

### **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 Not listed.

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

Not listed.

### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended d-limonene (CAS 5989-27-5)

Propylene glycol monomethyl ether acetate (CAS 108-65-6)

r ropytono giyoor monor	
Other regulations	The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.
National regulations	Follow national regulation for work with chemical agents. 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, as amended.
15.2. Chemical safety	No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other inform	ation
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	R10 Flammable. R12 Extremely flammable. R38 Irritating to skin. R43 May cause sensitisation by skin contact.
	<ul> <li>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>R65 Harmful: may cause lung damage if swallowed.</li> <li>R67 Vapours may cause drowsiness and dizziness.</li> <li>H226 Flammable liquid and vapour.</li> <li>H304 May be fatal if swallowed and enters airways.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H336 May cause drowsiness or dizziness.</li> <li>H410 Very toxic to aquatic life with long lasting effects.</li> </ul>
Revision information	This document has undergone significant changes and should be reviewed in its entirety.
Training information	Follow training instructions when handling this material.
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.