SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation

LPS® 3 (Aerosol)

of the mixture

Registration number

Synonyms None.

00316, M00316 **Part Number** 15-September-2015 Issue date

Version number Λ4

Revision date 31-March-2017 16-June-2016 Supersedes date

1.2. Relevant identified uses of the 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 safety data sheet

Supplier Alsco Ltd

Unit 13 Hillmead Industrial Estate Company name

Address Marshall Road

Swindon, Wiltshire

United Kingdom SN5 5FZ

Telephone +44 1793 733 900 +001 703-527-3887 In Case of Emergency

Manufacturer

Company name ITW Pro Brands

Address 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)

Website http://www.lpslabs.com lpssds@itwprobrands.com e-mail

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

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

Physical hazards

H222 - Extremely flammable Aerosols Category 1

aerosol

H229 - Pressurized container: May

burst if heated.

Health hazards

Skin corrosion/irritation Category 2 H315 - Causes skin irritation. Serious eye damage/eye irritation Category 2 H319 - Causes serious eye

irritation.

Specific target organ toxicity - single Category 3 narcotic effects H336 - May cause drowsiness or

exposure dizziness.

Hazard summary

Physical hazards Extremely flammable.

Health hazards Irritating to eyes and skin. Vapours may cause drowsiness and dizziness. Occupational exposure

to the substance or mixture may cause adverse health effects.

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

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

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

Contains: 1-butoxy-2-propanol, Acetone, Carbon dioxide, Distillates Petroleum Hydrotreated Heavy,

Distillates Petroleum Hydrotreated Light

Hazard pictograms



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Precautionary statements

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing gas.

P280 Wear eye protection/face protection.

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. P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves.

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.

P403 + P233 Store in a well-ventilated place. 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. REACH Registration No. INDEX No.NotesDistillates Petroleum Hydrotreated50 - < 60</td>64742-47-8-649-422-00-2

Light 265-149-8

Classification: DSD: Xn;R65

CLP: Flam. Liq. 3;H226, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336

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

00316, M00316 Version #: 04 Revision date: 31-March-2017 Issue date: 15-September-2015

Chemical name		%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
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;H	312, Skin Irrit. 2;H315	i, Eye Irrit. 2;H319		
Acetone		1 - 10	67-64-1 200-662-2	-	606-001-00-8	#
Classification:	DSD:	F;R11, Xi;R36,	R66-67			
	CLP:	Flam. Liq. 2;H2	25, Eye Irrit. 2;H319,	STOT SE 3;H336		
Distillates Petroleum Hyd Heavy	Irotreate	ed 1 - 10	64742-54-7 265-157-1	-	649-467-00-8	
Classification:	DSD:	-				L
	CLP:	Carc. 1B;H350				L
Carbon dioxide		1 - 5	124-38-9 204-696-9	-	-	#
Classification:	DSD:	-				
	CLP:	-				

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 measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON 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

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

media

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

media

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

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters
Special protective
equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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.

Specific methods

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

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 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.

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. 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.

6.3. Methods and material for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will spread on the water surface. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Use water spray to reduce vapours or divert vapour cloud drift. Prevent product from entering drains. Following product recovery, flush area with water.

6.4. Reference to other sections

Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section

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 incompatibilities

Level 3 Aerosol.

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.

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	
,		10000 ppm	
	MAK	9000 mg/m3	
		5000 ppm	

Belgium. Exposure Limit Values. Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
10010110 (0710 07 01 1)	OTEL	1000 ppm
	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 24-38-9)	STEL	54784 mg/m3
21 00 0)		30000 ppm
	TWA	9131 mg/m3
		5000 ppm
Bulgaria. OELs. Regulation No 13 on p	rotection of workers agai	nst risks of exposure to chemical agents at work
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	1400 mg/m3
,	TWA	600 mg/m3
Carbon dioxide (CAS	TWA	9000 mg/m3
24-38-9)		Ç
		5000 ppm
Croatia. Dangerous Substance Exposu Components	re Limit Values in the Wo Type	orkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/0 Value
Acetone (CAS 67-64-1)	MAC	1210 mg/m3
	···· · · ·	500 ppm
	STEL	3620 mg/m3
	0.11	1500 ppm
Carbon dioxide (CAS	MAC	9000 mg/m3
24-38-9)		-
		5000 ppm
Czech Republic. OELs. Government De Components	cree 361 Type	Value
-butoxy-2-propanol (CAS 5131-66-8)	Ceiling	550 mg/m3
,	TWA	270 mg/m3
Acetone (CAS 67-64-1)	Ceiling	1500 mg/m3
,	TWA	800 mg/m3
Carbon dioxide (CAS	Ceiling	45000 mg/m3
24-38-9)	TWA	9000 mg/m3
Conmark Exposure Limit Values	IWA	9000 Hig/His
Denmark. Exposure Limit Values Components	Туре	Value
Acetone (CAS 67-64-1)	TLV	600 mg/m3
,		250 ppm
Carbon dioxide (CAS	TLV	9000 mg/m3
124-38-9)		5000 ppm
	Limits of Hazardous Sul	ostances. (Annex of Regulation No. 293 of 18 September
2001) Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
,		500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		Ğ
		5000 ppm
Finland. Workplace Exposure Limits		
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	1500 mg/m3
	J. L.L	630 ppm
	TWA	1200 mg/m3
		500 ppm
Carbon dioxide (CAS	TWA	9100 mg/m3
24-38-9)		5000 ppm
		5000 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components Value Type VLE Acetone (CAS 67-64-1) 2420 mg/m3 1000 ppm VME 1210 mg/m3 500 ppm Carbon dioxide (CAS VME 9000 mg/m3 124-38-9)

5000 ppm

n the Work Area (DFG) components	Туре	Value	Form
cetone (CAS 67-64-1)	TWA	1200 mg/m3	
		500 ppm	
arbon dioxide (CAS	TWA	9100 mg/m3	
24-38-9)			
		5000 ppm	
Distillates Petroleum	TWA	5 mg/m3	Respirable aerosol
lydrotreated Light (CAS			fraction
34742-47-8)		250 mg/m2	Vanar
		350 mg/m3	Vapor.
		50 ppm	Vapor.
	es in the Ambient Air at the Wor		
components	Туре	Value	
cetone (CAS 67-64-1)	AGW	1200 mg/m3	
•		500 ppm	
Carbon dioxide (CAS	AGW	9100 mg/m3	
24-38-9)		. . .	
		5000 ppm	
Greece. OELs (Decree No. 90/19	99, as amended)		
Components `	Type	Value	
Acetone (CAS 67-64-1)	STEL	3560 mg/m3	
10010116 (OAO 07-04-1)	TWA	1780 mg/m3	
Carbon dioxide (CAS	STEL	54000 mg/m3	
	OILL	3 1 000 mg/m3	
		ű	
		5000 ppm	
	TWA	· ·	
124-38-9)	TWA	5000 ppm	
24-38-9)		5000 ppm 9000 mg/m3 5000 ppm	
24-38-9) lungary. OELs. Joint Decree on		5000 ppm 9000 mg/m3 5000 ppm	
24-38-9) Hungary. OELs. Joint Decree on Components	Chemical Safety of Workplaces Type	5000 ppm 9000 mg/m3 5000 ppm Value	
24-38-9) Hungary. OELs. Joint Decree on Components	Chemical Safety of Workplaces Type STEL	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3	
24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1)	Chemical Safety of Workplaces Type STEL TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3	
Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS	Chemical Safety of Workplaces Type STEL	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3	
24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9)	Chemical Safety of Workplaces Type STEL TWA TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3	
24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19	Chemical Safety of Workplaces Type STEL TWA TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3	
Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I Type	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3	
24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3	
Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components Acetone (CAS 67-64-1)	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I Type TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3 250 ppm	
24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components Acetone (CAS 67-64-1) Carbon dioxide (CAS	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I Type	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3	
	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I Type TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3 250 ppm 9000 mg/m3	
Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9)	Chemical Safety of Workplaces Type STEL TWA TWA TWA 999 on occupational exposure I Type TWA TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3 250 ppm	
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24-38-9) Hungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) celand. OELs. Regulation 154/19 Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) reland. Occupational Exposure Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 67-64-1) Carbon dioxide (CAS 67-64-1)	Chemical Safety of Workplaces Type STEL TWA TWA 999 on occupational exposure I Type TWA TWA TWA TWA TWA TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3 250 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3	
dungary. OELs. Joint Decree on Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) Celand. OELs. Regulation 154/19 Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) Celand. Occupational Exposure Components Acetone (CAS 67-64-1)	Chemical Safety of Workplaces Type STEL TWA TWA 999 on occupational exposure I Type TWA TWA TWA TWA TWA TWA TWA	5000 ppm 9000 mg/m3 5000 ppm Value 2420 mg/m3 1210 mg/m3 9000 mg/m3 imits Value 600 mg/m3 250 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 500 ppm 27000 mg/m3	
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Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Latvia. OELs. Occupational expo Components	sure limit values of chemical s Type	substances in work environment Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 24-38-9)	TWA	9000 mg/m3
''		5000 ppm
Lithuania. OELs. Limit Values fo Components	r Chemical Substances, Gene	rai Requirements Value
<u> </u>		
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
	T)A/A	1000 ppm
	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
uxembourg. Binding Occupatio Components	nal exposure limit values (Ann Type	ex I), Memorial A Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
124-30-3)		5000 ppm
Malta. OELs. Occupational Expo Schedules I and V)	sure Limit Values (L.N. 227. of	Occupational Health and Safety Authority Act (CAP. 4
Components	Туре	Value
Acetone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)	10071	Ç
Netherlands. OELs (binding)		5000 ppm
Components	Туре	Value
Acetone (CAS 67-64-1)	STEL	2420 mg/m3
Acetorie (OAC 07-04-1)	TWA	1210 mg/m3
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9) Norway. Administrative Norms fo	or Contaminants in the Workni	200
Components	Type	Value
Acetone (CAS 67-64-1)	TLV	295 mg/m3
		125 ppm
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3
,		5000 ppm
	ding maximum permissible co	ncentrations and intensities of harmful factors in the
environment, Annex 1 Components	Туре	Value
<u> </u>		
Acetone (CAS 67-64-1)	STEL	1800 mg/m3
On the second institute of CAC	TWA	600 mg/m3
Carbon dioxide (CAS	STEL	27000 mg/m3
124-38-9)		

9000 mg/m3

TWA

Portugal. OELs. Decree-Law n. 2 Components	Туре	Value	
Acetone (CAS 67-64-1)	TWA	1210 mg/m3	
,		500 ppm	
Carbon dioxide (CAS	TWA	9000 mg/m3	
124-38-9)		ű	
		5000 ppm	
Portugal. VLEs. Norm on occupa Components	ational exposure to chemical aç Type	ents (NP 1796) Value	
<u> </u>	<u> </u>		
Acetone (CAS 67-64-1)	STEL	750 ppm	
2 " : (242	TWA	500 ppm	
Carbon dioxide (CAS	STEL	30000 ppm	
124-38-9)	TWA	5000 ppm	
Romania. OELs. Protection of we		• •	
Components	Type	Value	
Acetone (CAS 67-64-1)	TWA	1210 mg/m3	
		500 ppm	
Carbon dioxide (CAS	TWA	9000 mg/m3	
124-38-9)	. **/ \	3333 mg/mo	
·		5000 ppm	
		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	
(24-38-9)		ű	
. = . 00 0)		E000	
Slovenia. OELs. Regulations cor Official Gazette of the Republic		5000 ppm against risks due to exposure to chemicals while Value	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components	of Slovenia)	Value 1210 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1)	of Slovenia) Type TWA	Value 1210 mg/m3 500 ppm	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1)	of Slovenia) Type	Value 1210 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1)	of Slovenia) Type TWA	Value 1210 mg/m3 500 ppm	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9)	of Slovenia) Type TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 24-38-9) Spain. Occupational Exposure L	of Slovenia) Type TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components	of Slovenia) Type TWA TWA imits Type	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components	of Slovenia) Type TWA TWA imits	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3	wor
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components	of Slovenia) Type TWA TWA imits Type TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm	worl
·	of Slovenia) Type TWA TWA imits Type	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm 9150 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components Acetone (CAS 67-64-1) Carbon dioxide (CAS	of Slovenia) Type TWA TWA imits Type TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm	worl
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Slovenia. OELs. Regulations corr Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Sweden. OELs. Work Environme Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9)	Type TWA TWA TWA TWA TWA TWA TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm 1210 mg/m3 500 ppm 9150 mg/m3 5000 ppm 9150 mg/m3 5000 ppm 1 Exposure Limit Values (AFS 2015:7) Value 1200 mg/m3 500 ppm 600 mg/m3 250 ppm 18000 mg/m3 10000 ppm	worl
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Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Sweden. OELs. Work Environme Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9)	Type TWA TWA imits Type TWA TWA TWA TWA TWA TWA TWA THA TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm 1210 mg/m3 500 ppm 9150 mg/m3 5000 ppm 9150 mg/m3 5000 ppm 1200 mg/m3 500 ppm 1200 mg/m3 500 ppm 1200 mg/m3 500 ppm 10000 ppm	worl
Slovenia. OELs. Regulations corr Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Spain. Occupational Exposure L Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Sweden. OELs. Work Environme Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9) Carbon dioxide (CAS 124-38-9)	Type TWA TWA TWA TWA TWA TWA TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm 1210 mg/m3 500 ppm 9150 mg/m3 5000 ppm 9150 mg/m3 5000 ppm I Exposure Limit Values (AFS 2015:7) Value 1200 mg/m3 500 ppm 600 mg/m3 250 ppm 18000 mg/m3 10000 ppm 9000 mg/m3 5000 ppm Value Value 2400 mg/m3	worl
Slovenia. OELs. Regulations cor Official Gazette of the Republic Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 624-38-9) Spain. Occupational Exposure L Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 624-38-9) Sweden. OELs. Work Environme Components Acetone (CAS 67-64-1) Carbon dioxide (CAS 624-38-9) Carbon dioxide (CAS 624-38-9) Carbon dioxide (CAS 634-38-9)	Type TWA TWA imits Type TWA TWA TWA TWA TWA TWA TWA THA TWA STEL TWA STEL TWA STEL TWA STEL TWA STEL TWA TWA	Value 1210 mg/m3 500 ppm 9000 mg/m3 5000 ppm Value 1210 mg/m3 5000 ppm 1210 mg/m3 500 ppm 9150 mg/m3 5000 ppm 9150 mg/m3 5000 ppm 1200 mg/m3 500 ppm 1200 mg/m3 500 ppm 1200 mg/m3 500 ppm 10000 ppm	worl

Components	Туј	pe	Val	ue	
Carbon dioxide (CAS	TW	/A	900	0 mg/m3	
124-38-9)			500	0 ppm	
UK. EH40 Workplace Ex	posure Limits (WELs)				
Components	Тур	pe	Val	ue	
Acetone (CAS 67-64-1)	ST	EL		0 mg/m3	
	TW	/ A		0 ppm 0 mg/m3	
	1 V\	/A		ppm	
Carbon dioxide (CAS 124-38-9)	ST	EL		00 mg/m3	
,			150	00 ppm	
	TW	/A		0 mg/m3	
				0 ppm	
EU. Indicative Exposure Components	Limit Values in Direct Typ	•	:000/39/EC, 2006/ Val		
Acetone (CAS 67-64-1)	TW	/A	121	0 mg/m3	
				ppm	
Carbon dioxide (CAS 124-38-9)	TW	/A		0 mg/m3	
			500	0 ppm	
ogical limit values					
Croatia. BLV. Dangerous Components	s Substance Exposure Value	e Limit Values at W Determinant	orkplace, Annexe Specimen		
•			Specimen	Sampling time	
•	20 mg/g	Acetone	Creatinine in	*	
•	20 mg/g 20 mg/l		<u> </u>	* *	
•	20 mg/l 0,34 mmol/l	Acetone	Creatinine in urine Blood Blood	*	
•	20 mg/l	Acetone Acetone	Creatinine in urine Blood	*	
Acetone (CAS 67-64-1)	20 mg/l 0,34 mmol/l 38,95 mmol/mol	Acetone Acetone Acetone Acetone	Creatinine in urine Blood Blood Creatinine in	*	
Acetone (CAS 67-64-1) * - For sampling details, p	20 mg/l 0,34 mmol/l 38,95 mmol/mol	Acetone Acetone Acetone Acetone ocument.	Creatinine in urine Blood Blood Creatinine in urine	* * *	
Acetone (CAS 67-64-1) * - For sampling details, p France. Biological indica	20 mg/l 0,34 mmol/l 38,95 mmol/mol	Acetone Acetone Acetone Acetone ocument.	Creatinine in urine Blood Blood Creatinine in urine	*	
Acetone (CAS 67-64-1) * - For sampling details, p France. Biological indications Components	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source deators of exposure (IBE	Acetone Acetone Acetone Acetone ocument.	Creatinine in urine Blood Blood Creatinine in urine	*	
* - For sampling details, p France. Biological indications Components Acetone (CAS 67-64-1)	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source deators of exposure (IBE Value	Acetone Acetone Acetone Acetone ocument. E) (National Institute Determinant Acétone	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen	*	
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source deators of exposure (IBE Value 100 mg/l lease see the source de	Acetone Acetone Acetone Acetone Occument. E) (National Institute Determinant Acétone Occument.	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen	*	
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source deators of exposure (IBE Value 100 mg/l lease see the source de	Acetone Acetone Acetone Acetone Occument. E) (National Institute Determinant Acétone Occument.	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen	*	
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA Components	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source de tors of exposure (IBE Value 100 mg/l lease see the source de tors of the	Acetone Acetone Acetone Acetone Acetone Decument. E) (National Institute Determinant Acétone Decument. it Values)	Creatinine in urine Blood Blood Creatinine in urine urine e for Research ar Specimen Urine	* * * * * * * * * * * * *	
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA Components Acetone (CAS 67-64-1)	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source de ators of exposure (IBE Value 100 mg/l lease see the source de IT List (Biological Lim Value 80 mg/l	Acetone Acetone Acetone Acetone Acetone Decument. E) (National Institute Determinant Acetone Decument. it Values) Determinant Aceton	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen Urine Specimen	* * * * * * * * * * * * *	
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA Components Acetone (CAS 67-64-1) * - For sampling details, p	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source de tors of exposure (IBE Value 100 mg/l lease see the source de T. List (Biological Lim Value 80 mg/l lease see the source de lease see the see see see see the see see the see see see see the see see see see see see see see see s	Acetone Acetone Acetone Acetone Acetone Determinant Acétone Determinant Acétone Determinant Acétone Determinant Aceton Determinant Aceton	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen Urine Specimen Urine	* * * * * * * * * * * * *	hemic
* - For sampling details, p France. Biological indica Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA Components Acetone (CAS 67-64-1) * - For sampling details, p Slovakia. BLVs (Biologicagents, Annex 2	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source de tors of exposure (IBE Value 100 mg/l lease see the source de T. List (Biological Lim Value 80 mg/l lease see the source de lease see the see see see see the see see the see see see see the see see see see see see see see see s	Acetone Acetone Acetone Acetone Acetone Determinant Acétone Determinant Acétone Determinant Acétone Determinant Aceton Determinant Aceton	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen Urine Specimen Urine	* * * * * * * * * * * * *	hemio
* - For sampling details, p France. Biological indication Components Acetone (CAS 67-64-1) * - For sampling details, p Germany. TRGS 903, BA Components Acetone (CAS 67-64-1) * - For sampling details, p Slovakia. BLVs (Biological)	20 mg/l 0,34 mmol/l 38,95 mmol/mol lease see the source de tors of exposure (IBE Value 100 mg/l lease see the source de T List (Biological Lim Value 80 mg/l lease see the source de Cal Limit Value). Regu	Acetone Acetone Acetone Acetone Acetone Document. E) (National Institute Determinant Acétone Document. it Values) Determinant Aceton Document. Aceton Document. Aceton Document. Aceton Document. Aceton Document. Aceton	Creatinine in urine Blood Blood Creatinine in urine e for Research ar Specimen Urine Specimen Urine Concerning prote	* * * * * * * * * * * * *	hemic

* - For sampling details, pl	ease see the sou	irce document.			
Spain. Biological Limit V	alues (VLBs), O	ccupational Exposure Li	mits for Chemic	al Agents, Table 4	
Components	Value	Determinant	Specimen	Sampling time	
Acetone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*	
* - For sampling details, pl	ease see the sou	rce document.			
Switzerland. BAT-Werte	(Biological Limi	t Values in the Workplace	e as per SUVA)		
Components	Value	Determinant	Specimen	Sampling time	
Acetone (CAS 67-64-1)	80 mg/l	Aceton	Urine	*	

 $[\]ensuremath{^{*}}$ - For sampling details, please see the source document.

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels

(DNELs)

Not available.

Predicted no effect concentrations (PNECs) Not available.

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.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in

discussion with the supplier of the personal protective equipment. Use personal protective

equipment as required.

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

Skin protection

- Hand protection Chemical resistant gloves are recommended.

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

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

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

protection.

Thermal hazards Not applicable.

When using do not smoke. Always observe good personal hygiene measures, such as washing Hygiene measures

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

Environmental exposure

controls

Contain spills and prevent releases and observe national regulations on emissions. Environmental

manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Cloudy. Liquid.

Gas. Physical state Form Aerosol Colour Brown.

Odour Mild. Cherry. Odour threshold Not available. Not applicable Not available. Melting point/freezing point Initial boiling point and boiling Not available.

range

18,0 °C (64,4 °F) Tag closed cup Flash point

151 (Ethyl Ether) **Evaporation rate** Flammability (solid, gas) Flammable gas.

Upper/lower flammability or explosive limits

Flammability limit - lower

0,6 %

6 % Flammability limit - upper

(%)

Not available.

Vapour pressure Vapour density Not available. Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Partition coefficient Not available.

(n-octanol/water)

230 °C (446 °F) **Auto-ignition temperature Decomposition temperature** Not available. Not available. **Viscosity**

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

decomposition products 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 routes 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 toxicological effects

Acute toxicity Not known.

Components Species Test results

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

<u>Acute</u>

Dermal

LD50 Rabbit 1400 mg/kg, 24 Hours

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

Acute Inhalation

LC50 Rat > 3,9 mg/l, 4 Hours

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation This product is not expected to cause skin sensitisation.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

ACGIH Carcinogens

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

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

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

Reproductive toxicityThis product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Narcotic effects.

Specific target organ toxicity - Not classified.

repeated exposure

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Not likely, due to the form of the product. **Aspiration hazard**

Mixture versus substance

information

Not available.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Not expected to be harmful to aquatic organisms.

Components **Species Test results** Acetone (CAS 67-64-1) 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) Distillates Petroleum Hydrotreated Light (CAS 64742-47-8)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 2,9 mg/l, 96 hours

(Oncorhynchus mykiss)

12.2. Persistence and

degradability

Not inherently biodegradable.

12.3. Bioaccumulative potential No data available for this product.

Partition coefficient n-octanol/water (log Kow)

-0,24Acetone

Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not available. and vPvB assessment

12.6. Other adverse effects None known.

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 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

14.2. UN proper shipping Aerosols, flammable

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk 2.1 Label(s)

Not available. Hazard No. (ADR) Not available. Tunnel restriction code 14.4. Packing group Not available.

14.5. Environmental hazards No.

Not available. 14.6. Special precautions

for user

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RID

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

and the IBC Code



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

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

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

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)

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)

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

R11 Highly flammable. R12 Extremely flammable. R36 Irritating to eyes.

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SDS EU

R36/38 Irritating to eyes and skin.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H350 May cause cancer.

SECTION 2: Hazards identification: Hazard statements **Revision information**

SECTION 2: Hazards identification: Prevention SECTION 2: Hazards identification: Response

SECTION 2: Hazards identification: Supplemental label information

Physical & Chemical Properties: Multiple Properties SECTION 11: Toxicological information: Acute toxicity

GHS: Qualifiers

Training information

Disclaimer

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.

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