## 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

PRINTER 66

Registration number

None. **Synonyms** 

BDS001415AE **Product code** Issue date 28-May-2021

Version number

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Cleaners - Precision

Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company name CRC Industries Europe by

Touwslagerstraat 1 Address

> 9240 Zele Belgium

+32(0)52/45.60.11 Telephone Fax +32(0)52/45.00.34 E-mail hse@crcind.com Website www.crcind.com

1.4. Emergency telephone

number

General in EU 112 (Available 24 hours a day. SDS/Product information may not be available for

the Emergency Service.)

**Austria National Poisons** 

**Information Centre** 

+431 406 4343 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Tel.: +32(0)52/45.60.11 (office hours)

**Belgium National Poisons** 

**Control Center** 

070 245 245 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Bulgaria National** 

**Toxicological Information** 

Centre

+359 2 9154233 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Czech Republic National Poisons Information** 

Centre

+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

**Denmark National Poisons** 

**Control Center** 

+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

**Estonia National Poisons** 

**Information Centre** 

16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be

available for the Emergency Service.)

**Finland National Poison** Information Center

(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**France National Poisons** 

**Control Center** 

ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

**Hungary National** 

**Emergency Phone Number** 

36 80 20 11 99 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Lithuania Neatidėliotina informacija apsinuodijus +370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Malta Accident and **Emergency Department** 

2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)

Netherlands National Poisons Information Center (NVIC)  $030\mbox{-}274~88~88$  (Only for the purpose of informing medical personnel in cases of

acute intoxications)

Norway Norwegian Poison

Information Center

22 59 13 00 (Available 24 hours a day. SDS/Product information may not be

available for the Emergency Service.)

Romania Biroul RSI si Informare Toxicologica 021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be

available for the Emergency Service.)

Slovakia National Toxicological Information

Centre

+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not

be available for the Emergency Service.)

Sweden National Poison Information Center

112 - and ask for Poison Information (Available 24 hours a day. SDS/Product

information may not be available for the Emergency Service.)

## **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 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.
Serious eye damage/eye irritation Category 2 H319 - Causes serious eye

irritation.

Specific target organ toxicity - single

exposure

Category 3 narcotic effects

H336 - May cause drowsiness or

dizziness.

**Environmental hazards** 

Hazardous to the aquatic environment, Category 2 H411 - Toxic to aquatic life with

long-term aquatic hazard long lasting effects.

Hazard summary Aerosol CONTENTS UNDER PRESSURE.

Pressurised container may explode when exposed to heat or flame. May cause drowsiness or dizziness. Causes serious eye irritation. Causes skin irritation. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause

adverse health effects.

#### 2.2. Label elements

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

Contains: Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics, < 5% n-hexane, Hydrocarbons, C7,

n-alkanes, isoalkanes, cyclic, Propan-2-ol; Isopropyl alcohol; Isopropanol

**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.

H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

## **Precautionary statements**

Prevention

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing mist/vapours.

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

Response Not assigned.

Storage

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information Regulation (EC) No 648/2004 on detergents: aliphatic hydrocarbons > 30 %

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to the vPvB / PBT

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

#### 3.2. Mixtures

#### **General information**

Chemical name		%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,c n-hexane		25 - 50	EC921-024-6 -	01-2119475514-35	-	
	Classification:		2;H225, Skin Irrit. 2;F quatic Chronic 2;H41	1315, STOT SE 3;H336, As 1	o. Tox.	
Hydrocarbons, C7, n-alkanes,isoalkanes,	cyclic	25 - 50	EC927-510-4 -	01-2119475515-33	-	
	Classification:		2;H225, Skin Irrit. 2;F quatic Chronic 2;H41	1315, STOT SE 3;H336, As 1	o. Tox.	
Propan-2-ol; Isopropyl Isopropanol	alcohol;	10 - 25	67-63-0 200-661-7	01-2119457558-25	603-117-00-0	
	Classification:	Flam. Liq.	2;H225, Eye Irrit. 2;H	319, STOT SE 3;H336		
Carbon dioxide		1 - 5	124-38-9 204-696-9	Exempt	-	#
	Classification:	Press. Gas	s;H280			

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

#: 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.

Composition comments The full text for all H-statements 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.

4.1. Description of first aid measures

**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. Wash with plenty of soap and water. If skin irritation occurs: Get

medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**In the unlikely event of swallowing contact a physician or poison control centre. Rinse mouth.** 

4.2. Most important symptoms and effects, both acute and delayed

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May

cause redness and pain.

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 measures**

General fire hazards Extremely flammable aerosol.

5.1. Extinguishing media

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

media

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters
Special protective
equipment for firefighters
Special fire fighting

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

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour 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

procedures

Use standard firefighting procedures and consider the hazards of other involved materials. 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

Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.

For emergency responders

Keep unnecessary personnel away. Avoid breathing mist/vapours. 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.

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

Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. 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. Prevent product from entering drains. 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

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## **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 mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. 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).

Storage class (TRGS 510): 2B (Aerosol dispensers and lighters)

7.3. Specific end use(s) Not available.

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

## 8.1. Control parameters

## Occupational exposure limits

Austria Components	Туре	Value	
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane	TWA (MAK)	200 ppm	
Austria. MAK List, OEL Ordinance	e (GwV), BGBI, II, no. 184/2001		
Components	Type	Value	
		<b>Value</b> 18000 mg/m3	
Carbon dioxide (CAS	Туре		

Austria. MAK List, OEL Ordinance (G Components	Type	Value
	. , , , ,	
Propan-2-ol; Isopropyl	MAK	5000 ppm 500 mg/m3
alcohol; Isopropanol (CAS 67-63-0)	WAN	500 mg/ms
		200 ppm
	STEL	2000 mg/m3
		800 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
Propan-2-ol; Isopropyl	STEL	1000 mg/m3
alcohol; Isopropanol (CAS 67-63-0)		-
07 00 07		400 ppm
	TWA	500 mg/m3
		200 ppm
Bulgaria OFI's Regulation No 13 on	protection of workers again	nst risks of exposure to chemical agents at work
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3
,	TWA	980 mg/m3
Croatia. Dangerous Substance Expos	sure Limit Values in the Wo	rkplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	MAC	9000 mg/m3
124-30-9)		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	MAC	999 mg/m3
07-00-0)		400 ppm
	STEL	1250 mg/m3
		500 ppm
	-	bstances in factories regulation, PI 311/73, as amended
Components	Туре	Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	980 mg/m3
		400 ppm
Czech Republic. OELs. Government I	Decree 361	
Components	Туре	Value
Carbon dioxide (CAS	Ceiling	45000 mg/m3
124-38-9)	TWA	9000 mg/m3
	IVVA	9000 mg/m3

Components	Туре	Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	Ceiling	1000 mg/m3
	TWA	500 mg/m3
Denmark. Exposure Limit	Values	
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3
Oranan O ak laantanul	TLV	5000 ppm
Propan-2-ol; Isopropyl Ilcohol; Isopropanol (CAS 57-63-0)	TLV	490 mg/m3
,		200 ppm
Estonia. OELs. Occupatio Components	onal Exposure Limits of Hazardous Sul Type	ostances (Regulation No. 105/2001, Annex), as amended Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	600 mg/m3
		250 ppm
	TWA	350 mg/m3
		150 ppm
Finland. Workplace Expo Components	sure Limits Type	Value
Carbon dioxide (CAS	TWA	9100 mg/m3
124-38-9)		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	STEL	620 mg/m3
67-63-0)		250 ppm
	TWA	500 mg/m3
		200 ppm
France		
Components	Туре	Value
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane	STEL:	1500 mg/m3
s, on it housing	TWA	1000 mg/m3
France. Threshold Limit \ Components	/alues (VLEP) for Occupational Expos Type	ure to Chemicals in France, INRS ED 984 Value
Carbon dioxide (CAS	VME	9000 mg/m3
124-38-9) Regulatory status:	Regulatory indicative (VRI)	
riogulatory status.		5000 ppm
Regulatory status:	Regulatory indicative (VRI)	••
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	VLE	980 mg/m3
)/ -U3-U1		
Regulatory status:	Indicative limit (VL)	400 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	
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3	
		5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	500 mg/m3	
		200 ppm	
Germany - TRGS 900	Type	Value	
Components	Туре		
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane	TWA	700 mg/m3	
Hydrocarbons, C7, n-alkanes,isoalkanes, cyclic	TWA	1500 mg/m3	
Germany. TRGS 900, Limit Values	•		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	AGW	9100 mg/m3	
		5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	AGW	500 mg/m3	
07-03-07		200 ppm	
Greece. OELs (Decree No. 90/1999) Components	9, as amended) Type	Value	
Carbon dioxide (CAS	STEL	54000 mg/m3	
124-38-9)			
		5000 ppm	
	TWA	9000 mg/m3	
	0.777	5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1225 mg/m3	
		500 ppm	
	TWA	980 mg/m3	
		400 ppm	
Hungary. OELs. Joint Decree on 0	Chemical Safety of Workplaces		
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	STEL	1000 mg/m3	
67-63-0)	TWA	500 mg/m3	
Iceland. OELs. Regulation 154/199	99 on occupational exposure limi	ts	
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	490 mg/m3	
o. 50 0j		200 ppm	

Ireland. Occupational Exposure Limits Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
•		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	400 ppm
·	TWA	200 ppm
Italy. Occupational Exposure Limits Components	Туре	Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	400 ppm
07-03-01	TWA	200 ppm
Latvia. OELs. Occupational exposure lin Components	nit values of chemical substances Type	in work environment Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	STEL	600 mg/m3
67-63-0)		
	TWA	350 mg/m3
Lithuania. OELs. Limit Values for Chem Components	ical Substances, General Require Type	ments Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	600 mg/m3
		250 ppm
	TWA	350 mg/m3
		150 ppm
Luxembourg. Binding Occupational exp Components	osure limit values (Annex I), Mem Type	orial A Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Malta. OELs. Occupational Exposure Lin Schedules I and V)	nit Values (L.N. 227. of Occupatio	nal Health and Safety Authority Act (CAP. 424),
Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Netherlands. OELs (binding) Components	Туре	Value
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
Norway. Administrative Norms for Conta	<del>-</del>	Value
Components	Type	
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3

Components	r Contaminants in the Workpl Type	Value
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TLV	245 mg/m3
,		100 ppm
concentrations and intensities of	harmful health factors in the	on 6 June 2014 on the maximum permissible work environment, Journal of Laws 2014, item 81
Components	Туре	Value
Carbon dioxide (CAS I24-38-9)	STEL	27000 mg/m3
,	TWA	9000 mg/m3
ropan-2-ol; Isopropyl Icohol; Isopropanol (CAS 7-63-0)	STEL	1200 mg/m3
,	TWA	900 mg/m3
Portugal. OELs. Decree-Law n. 29 Components	0/2001 (Journal of the Repub Type	lic - 1 Series A, n.266) Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		F000
Partugal VI Es Norm an accumat	ional avnocura to chemical a	5000 ppm
Portugal. VLEs. Norm on occupat Components	Type	Value
Carbon dioxide (CAS	STEL	30000 ppm
24-38-9)	3.22	66666 Pp
	TWA	5000 ppm
Propan-2-ol; Isopropyl Icohol; Isopropanol (CAS 7-63-0)	STEL	400 ppm
,	TWA	200 ppm
comania. OELs. Protection of wo	rkers from exposure to chemi Type	ical agents at the workplace Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		, and the second
		5000 ppm
Propan-2-ol; Isopropyl Ilcohol; Isopropanol (CAS i7-63-0)	STEL	500 mg/m3
		203 ppm
	TWA	200 mg/m3
		81 ppm
Blovakia. OELs. Regulation No. 3 Components	00/2007 concerning protection Type	n of health in work with chemical agents Value
Carbon dioxide (CAS	TWA	9000 mg/m3
124-38-9)		•
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
,		400 ppm

500 mg/m3

200 ppm

TWA

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3	
		5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	500 mg/m3	
n-00 0)		200 ppm	
Spain. Occupational Exposure Lin			
Components	Туре	Value	
Carbon dioxide (CAS 124-38-9)	TWA	9150 mg/m3	
		5000 ppm	
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 57-63-0)	STEL	1000 mg/m3	
		400 ppm	
	TWA	500 mg/m3	
		200 ppm	
Sweden			
Components	Туре	Value	
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane	STEL (STV)	300 ppm	
s, · o / in the Adrie	TWA	200 ppm	
	0.751 (0.71.0)	300 ppm	
	STEL (STV)	ооо ррш	
Hydrocarbons, C7, n-alkanes,isoalkanes, cyclic	STEL (STV)	200 ppm	
n-alkanes,isoalkanes, cyclic Sweden. OELs. Work Environment	TWA t Authority (AV), Occupational E		
n-alkanes,isoalkanes, cyclic Sweden. OELs. Work Environment Components	TWA t Authority (AV), Occupational E Type	200 ppm xposure Limit Values (AFS 2015:7) Value	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS	TWA t Authority (AV), Occupational E	200 ppm xposure Limit Values (AFS 2015:7) Value 18000 mg/m3	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS	TWA t Authority (AV), Occupational E Type STEL	200 ppm  xposure Limit Values (AFS 2015:7)  Value  18000 mg/m3  10000 ppm	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS	TWA t Authority (AV), Occupational E Type	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS 124-38-9)	TWA t Authority (AV), Occupational E Type  STEL  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm  9000 mg/m3  5000 ppm	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA t Authority (AV), Occupational E Type STEL	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment  Components  Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm  9000 mg/m3  5000 ppm  600 mg/m3  250 ppm  350 mg/m3  150 ppm	
n-alkanes,isoalkanes, cyclic  Sweden. OELs. Work Environment Components  Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components  Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm  9000 mg/m3  5000 ppm  600 mg/m3  250 ppm  350 mg/m3  150 ppm	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components  Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  TWA  Type  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm Value	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane Switzerland. SUVA Grenzwerte am	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  TWA  Type  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm Value	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 37-63-0)  Switzerland Components  Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane Switzerland. SUVA Grenzwerte am Components  Carbon dioxide (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  Type  TWA  Arbeitsplatz	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm  Value  500 ppm	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 37-63-0)  Switzerland Components  Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane Switzerland. SUVA Grenzwerte am Components  Carbon dioxide (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  Type  TWA  Arbeitsplatz Type	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm  Value  500 ppm	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane Switzerland. SUVA Grenzwerte am Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  Type  TWA  Arbeitsplatz Type	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm  Value  500 ppm  Value  9000 mg/m3	
Sweden. OELs. Work Environment Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)  Switzerland Components Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclic s,< 5% n-hexane Switzerland. SUVA Grenzwerte am Components Carbon dioxide (CAS 124-38-9)  Propan-2-ol; Isopropyl	TWA t Authority (AV), Occupational E Type  STEL  TWA  STEL  TWA  Type  TWA  Arbeitsplatz Type  TWA	200 ppm  xposure Limit Values (AFS 2015:7) Value  18000 mg/m3  10000 ppm 9000 mg/m3 5000 ppm 600 mg/m3  250 ppm 350 mg/m3 150 ppm  Value  500 ppm	

Val	ue
-----	----

5000 ppm

UK. EH40 Workplace Exposure Limits (WELs) Components  Type  Value  Carbon dioxide (CAS 124-38-9)  TWA  TWA  Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS)	
Components         Type         Value           Carbon dioxide (CAS 124-38-9)         STEL         27400 mg/m3           15000 ppm         15000 ppm           TWA         9150 mg/m3 5000 ppm           Propan-2-ol; Isopropyl         STEL         1250 mg/m3	
Carbon dioxide (CAS 124-38-9)  TWA 27400 mg/m3 15000 ppm 15000 ppm 9150 mg/m3 5000 ppm 1000 p	
124-38-9)  TWA  9150 mg/m3  5000 ppm  Propan-2-ol; Isopropyl  STEL  1250 mg/m3	
TWA 9150 mg/m3 5000 ppm Propan-2-ol; Isopropyl STEL 1250 mg/m3	
5000 ppm  Propan-2-ol; Isopropyl STEL 1250 mg/m3	
Propan-2-ol; Isopropyl STEL 1250 mg/m3	
67-63-0)	
500 ppm	
TWA 999 mg/m3	
400 ppm	
EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 201	7/164/EU
Components Type Value	
Carbon dioxide (CAS TWA 9000 mg/m3 124-38-9)	

## **Biological limit values**

Croatia. BLV. Dangerous Substance Exposure Li	mit Values at Workplace, Annexes 4 (as amended)
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67-63-0)  50 mg/l Acetone Blood *  0,86 umol/l Acetone Urine *	Components	Value	Determinant	Specimen	Sampling Time
0,86 umol/l Acetone Urine *	alcohol; Isopropanol (CAS	50 mg/l	Acetone	Urine	*
		50 mg/l	Acetone	Blood	*
0.86 umol/l Acetone Blood *		0,86 umol/l	Acetone	Urine	*
*****		0,86 umol/l	Acetone	Blood	*

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

## Germany. TRGS 903, BAT List (Biological Limit Values)

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*
	25 mg/l	ACETON	Blood	*

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

# Hungary. Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 μg/l	Acetone	Urine	*
	430 µmol/l	Acetone	Urine	*

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

# Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4 Components Value Determinant Specimen Sampling Time Propan-2-ol; Isopropyl 40 mg/l Acetona Urine \*

alcohol; Isopropanol (CAS 67-63-0)

## Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components	Value	Determinant	Specimen	Sampling Time
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*

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

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)

Components Value **Determinant Specimen** Sampling Time 25 mg/l **ACETON** Blood

Recommended monitoring

Follow standard monitoring procedures.

procedures

#### Derived no effect levels (DNELs)

#### **General Population**

Components	Value	Assessment factor	Notes
Hydrocarbons, C6-C7, n-alkanes,isoalkar	nes,cyclics,< 5% n-hexane (C	AS EC921-024-6)	
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation Long-term, Systemic, Oral	699 mg/kg bw/day 608 mg/m3 699 mg/kg bw/day		
Propan-2-ol; Isopropyl alcohol; Isopropan	ol (CAS 67-63-0)		
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation Long-term, Systemic, Oral	319 mg/kg bw/day 89 mg/m3 26 mg/kg bw/day	2 2 2	Repeated dose toxicity Repeated dose toxicity Repeated dose toxicity
Workers			
Components	Value	Assessment factor	Notes
Hydrocarbons, C6-C7, n-alkanes,isoalkar	nes,cyclics,< 5% n-hexane (C	AS EC921-024-6)	
Long-term, Systemic, Dermal Long-term, Systemic, Inhalation	773 mg/kg bw/day 2035 mg/m3		
Propan-2-ol; Isopropyl alcohol; Isopropan	ol (CAS 67-63-0)		
Long-term, Systemic, Dermal	888 mg/kg bw/day	1	

## Long-term, Systemic, Inhalation Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
Propan-2-ol; Isopropyl alcohol; Isopro	opanol (CAS 67-63-0)		
Freshwater	140,9 mg/l	1	
Secondary poisoning	160 mg/kg	30	Oral
Sediment (freshwater)	552 mg/kg		
Soil	28 mg/kg		

500 mg/m3

#### 8.2. Exposure controls

Appropriate engineering controls

Good general ventilation 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. Provide eyewash station and safety shower.

#### 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.

Wear safety glasses with side shields (or goggles) and a face shield. Use eye protection Eye/face protection

conforming to EN 166.

Skin protection

- Hand protection When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough

time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Full contact: Glove material: nitrile. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.38 mm.

Wear appropriate chemical resistant clothing. - Other

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with

organic vapour cartridge and full facepiece. (Filter type AX)

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

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.

**Environmental exposure** 

controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

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

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

9.1. Information on basic physical and chemical properties

Physical stateLiquid.FormAerosolColourColourless.

Odour Characteristic odor.

Melting point/freezing point -88,5 °C (-127,3 °F) estimated

**Boiling point or initial boiling** 

point and boiling range

Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

2,5 % estimated

Flammability limit - upper

(%)

12 % estimated

Flash point < 0 °C (< 32,0 °F) Closed cup

Auto-ignition temperature > 200 °C (> 392 °F)

Decomposition temperature Not available.

pH Not available.

Solubility(ies)

Solubility (water) Insoluble in water

Vapour pressure 57300 hPa estimated

Vapour densityNot available.Relative density0,71 g/cm3Relative density temperature20 °C (68 °F)Particle characteristicsNot available.

9.2 Other safety characteristics

Chemical family Cleaner

Explosive properties Not explosive.

Heat of combustion (NFPA 3,94 kJ/g estimated

30B)

Oxidising properties Not oxidising.

Specific gravity 0,76 estimated

**VOC** 680 g/l

## **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 high temperatures.

**10.5.** Incompatible materials Acids. Strong oxidising agents. Chlorine. Isocyanates.

**10.6. Hazardous** Carbon oxides.

decomposition products

## **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 or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be

harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

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

occupational exposure.

May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. **Symptoms** 

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May

cause redness and pain.

## 11.1. Information on toxicological effects

Classification based on calculation method. Based on available data, the classification criteria are **Acute toxicity** 

not met.

**Product Species Test Results** 

PRINTER 66

**Acute** 

**Dermal** 

LD50 Rabbit 44477 mg/kg

Inhalation

LC50 Rat 30941 mg/m3, 4 h

Oral

Rat

LD50 16 g/kg Components **Species Test Results** 

Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics, < 5% n-hexane

**Acute** 

**Dermal** 

LD50 Rat 2920 mg/kg bw/day, 24 h

Inhalation

LC50 Rat 25200 mg/m3, 4 h

Oral

LD50 Rat 5840 mg/kg bw/day

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Acute

**Dermal** 

LD50 Rabbit 12800 mg/kg

Inhalation

LC50 Rat > 25000 mg/m3, 6 h

Oral

LD50 Rat 4,7 g/kg

Skin corrosion/irritation

Serious eye damage/eye

Causes serious eye irritation.

Causes skin irritation.

irritation

Respiratory sensitisation Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Carcinogenicity

Based on available data, the classification criteria are not met.

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

Not listed.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity -

single exposure

May cause drowsiness or dizziness.

Specific target organ toxicity -

repeated exposure

Based on available data, the classification criteria are not met.

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

Mixture versus substance

information

Not available.

11.2. Information on other hazards

**Endocrine disrupting** properties

The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU)

2018/605 at levels of 0.1% or higher.

Other information Not available.

## **SECTION 12: Ecological information**

12.1. Toxicity Toxic to aquatic life with long lasting effects.

**Test Results** Components Species

Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics, < 5% n-hexane

Aquatic

Acute

30 - 100 mg/l, 72 h Algae EC50 Algae Crustacea EC50 Daphnia 3 mg/l, 48 h Fish LC50 Fish 11,4 mg/l, 96 h

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

Aquatic

Acute

Crustacea LC50 Brine shrimp (Artemia salina) > 10000 mg/l, 24 hours Fish LC50 Bluegill (Lepomis macrochirus) > 1400 mg/l, 96 hours

12.2. Persistence and

No data is available on the degradability of any ingredients in the mixture.

degradability

12.3. Bioaccumulative potential

**Partition coefficient** n-octanol/water (log Kow)

> 0,05 Propan-2-ol; Isopropyl alcohol; Isopropanol

**Bioconcentration factor (BCF)** Not available. 12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB

assessment

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Endocrine disrupting

properties

None known

12.7. Other adverse effects

The product contains volatile organic compounds which have a photochemical ozone creation

potential.

12.8. Additional information

Estonia Dangerous substances in soil Data

Propan-2-ol; Isopropyl alcohol; Isopropanol Chemical pesticides (As the total sum of the active substances) (CAS 67-63-0)

0,5 mg/kg

Chemical pesticides (As the total sum of the active substances) 20

mg/kg

Chemical pesticides (As the total sum of the active substances) 5

mg/kg

## **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.

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents Disposal methods/information

> 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** 

14.1. UN number UN1950

name

14.2. UN proper shipping **AEROSOLS** 

## 14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -

Hazard No. (ADR) Not available.

**Tunnel restriction code** (D) **ADR/RID - Classification** 5F

code:

14.4. Packing group Not applicable

14.5. Environmental hazards No

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

IATA

**14.1. UN number** UN1950 **14.2. UN proper shipping** AEROSOLS

name

14.3. Transport hazard class(es)
Class 2.1
Subsidiary risk -

14.4. Packing group Not applicable

14.5. Environmental hazards No

**14.6. Special precautions** Read safety instructions, SDS and emergency procedures before handling.

for user

**IMDG** 

**14.1. UN number** UN1950 **14.2. UN proper shipping** AEROSOLS

name

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk -

14.4. Packing group Not applicable

14.5. Environmental hazards

Marine pollutant

No

EmS F-D, S-U

14.6. Special precautions

for user

Read safety instructions, SDS and emergency procedures before handling.

**14.7. Maritime transport in bulk** Not established. according to IMO instruments

ADR; IATA; IMDG



## **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 (EU) 2019/1021 On persistent organic pollutants (recast), 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

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Carbon dioxide (CAS 124-38-9)

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 Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

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

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)

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**

This safety data sheet conforms to the following laws, regulations and standards:

Act on the management of packaging and packaging waste of June 13, 2013

Regulation of the Minister of Health of June 11, 2012 on the categories of dangerous substances and dangerous preparations whose packaging should be fitted with child-resistant closures and a tactile warning of danger

REGULATION OF THE MINISTER OF HEALTH of February 2, 2011 on tests and measurements of feature bornful to health in working any iron ments

of factors harmful to health in working environments

Regulation of Ministry of Labor and Social Policy of June 6, 2014. On the matter of maximum permissible concentrations and intensities of harmful factors in the work environment (Journal of Laws 2014, item, 817)

Chemical Safety at Workplace Ordinance Joint Decree No. 25/2000 (Annex 2): Permissible limit values of biological exposure (effect) indices Decree No. 25/2000. (IX. 30.) EüM-SzCsM of the Minister of Health and the Minister of Social and Family Affairs on chemical safety at work Act No. 93 of 1993 on Labour Safety (1993.évi XCIII.), as amended Government Decree No. 220

of 2004 (VII. 21.) providing rules on the protection of surface waters quality

Government Decree No. 98/2001 (VI. 15.), on the conditions of the activities related to hazardous waste, and Ministry of Environmental Affairs Decree No. 16/2001 (VII. 18.), on the register of waste s Public Act No. XXV of 2000 on Chemical Safety, and Application Decree No. 44/2000. (XII.27.) EüM [of the Ministry of Health]

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as

amended.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## **SECTION 16: Other information**

#### List of abbreviations

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value. CEN: European Committee for Standardization.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification,

labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals). RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value. VOC: Volatile organic compounds.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

#### References

Information on evaluation method leading to the classification of mixture

Full text of any H-statements not written out in full under Sections 2 to 15 Not available.

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

#### **Revision information**

## **Training information**

#### **Disclaimer**

None.

Follow training instructions when handling this material.

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