



# 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      BRAKLEEN PRO

Synonyms      None.

Product code      BDS001856AE

Issue date      17-July-2020

Version number      03

Revision date      14-September-2020

Supersedes date      04-August-2020

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

Identified uses      Cleaners - Heavy duty

Uses advised against      None known.

### 1.3. Details of the supplier of the safety data sheet

Company name      CRC Industries Europe bvba

Address      Touwslagerstraat 1

9240 Zele

Belgium

Telephone      +32(0)52/45.60.11

Fax      +32(0)52/45.00.34

E-mail      hse@crcind.com

Website      www.crcind.com

1.4. Emergency telephone number      Tel.: +32(0)52/45.60.11 (office hours)

**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.)

**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 Center**      +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.)

<b>Netherlands National Poisons Information Center (NVIC)</b>	030-274 88 88 (Only for the purpose of informing medical personnel in cases of acute intoxications)
<b>Norway Norwegian Poison Information Center</b>	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Romania Biroul RSI si Informare Toxicologica</b>	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
<b>Slovakia National Toxicological Information Center</b>	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
<b>Sweden National Poison Information Center</b>	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.
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##### 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, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.
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#### 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

#### 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.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

##### Prevention

P102	Keep out of reach of children.
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	Pressurised container: Do not pierce or burn, even after use.
P261	Avoid breathing mist/vapours.
P271	Use only outdoors or in a well-ventilated area.

<b>Response</b>	Not available.
<b>Storage</b>	
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
<b>Disposal</b>	
P501	Dispose of contents/container (in accordance with related regulations).
<b>Supplemental label information</b>	Regulation (EC) No 648/2004 on detergents: aliphatic hydrocarbons > 30 % Perfumes

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	25 - 50	EC921-024-6 -	01-2119475514-35 -	-	
<b>Classification:</b> Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411					
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	25 - 50	EC927-510-4 -	01-2119475515-33 -	-	
<b>Classification:</b> Flam. Liq. 2;H225, Asp. Tox. 1;H304, Skin Irrit. 2;H315, STOT SE 3;H336, Aquatic Chronic 2;H411					
acetone; propan-2-one; propanone	5 - 10	67-64-1 200-662-2	01-2119471330-49-xxxx	606-001-00-8	#
<b>Classification:</b> Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
Carbon dioxide	5 - 10	124-38-9 204-696-9	Exempt	-	#
<b>Classification:</b> Press. Gas;H280					
Propan-2-ol; Isopropyl alcohol; Isopropanol	5 - 10	67-63-0 200-661-7	01-2119457558-25	603-117-00-0	
<b>Classification:</b> Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					

#### 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.

**Ingestion** 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.

<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	Contents under pressure. Pressurised container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Special fire fighting procedures</b>	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.
<b>Specific methods</b>	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** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up** 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).

**7.3. Specific end use(s)** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria

##### Components

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

##### Type

TWA (MAK)

##### Value

200 ppm

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	MAK	1200 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	STEL	4800 mg/m <sup>3</sup>
		2000 ppm
	Ceiling	18000 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	MAK	10000 ppm
		9000 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	MAK	5000 ppm
		500 mg/m <sup>3</sup>
	STEL	200 ppm
		2000 mg/m <sup>3</sup>
		800 ppm

**Belgium. Exposure Limit Values  
Components**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2420 mg/m <sup>3</sup>
		1000 ppm
Carbon dioxide (CAS 124-38-9)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
	STEL	54784 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)		30000 ppm
	TWA	9131 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)		5000 ppm
	STEL	1000 mg/m <sup>3</sup>
		400 ppm
	TWA	500 mg/m <sup>3</sup>
		200 ppm

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work  
Components**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1400 mg/m <sup>3</sup>
	TWA	600 mg/m <sup>3</sup>
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>
	TWA	980 mg/m <sup>3</sup>

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	MAC	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	MAC	9000 mg/m <sup>3</sup>

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

Components	Type	Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	MAC	5000 ppm 999 mg/m3
	STEL	400 ppm 1250 mg/m3 500 ppm

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

Components	Type	Value
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	980 mg/m3
		400 ppm

**Czech Republic. OELs. Government Decree 361**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	Ceiling	1500 mg/m3
	TWA	800 mg/m3
Carbon dioxide (CAS 124-38-9)	Ceiling	45000 mg/m3
	TWA	9000 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	Ceiling	1000 mg/m3
	TWA	500 mg/m3

**Denmark. Exposure Limit Values**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TLV	600 mg/m3
		250 ppm
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TLV	490 mg/m3
		200 ppm

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
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 Exposure Limits**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1500 mg/m3
		630 ppm
	TWA	1200 mg/m3 500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	5000 ppm 620 mg/m3
		250 ppm
	TWA	500 mg/m3 200 ppm

**France**

Components	Type	Value
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclic s, < 5% n-hexane	STEL	1500 mg/m3
	TWA	1000 mg/m3

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	VLE	2420 mg/m3
	<b>Regulatory status:</b> Regulatory binding (VRC)	1000 ppm
	<b>Regulatory status:</b> Regulatory binding (VRC)	VME
	<b>Regulatory status:</b> Regulatory binding (VRC)	1210 mg/m3
Carbon dioxide (CAS 124-38-9)		500 ppm
	<b>Regulatory status:</b> Regulatory binding (VRC)	VME
	<b>Regulatory status:</b> Regulatory indicative (VRI)	9000 mg/m3
	<b>Regulatory status:</b> Regulatory indicative (VRI)	5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	VLE	980 mg/m3
	<b>Regulatory status:</b> Indicative limit (VL)	400 ppm
	<b>Regulatory status:</b> Indicative limit (VL)	
	<b>Regulatory status:</b> Indicative limit (VL)	

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1200 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9100 mg/m3
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)		5000 ppm
	TWA	500 mg/m3
		200 ppm

**Germany - TRGS 900**

Components	Type	Value
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	TWA	700 mg/m <sup>3</sup>
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	TWA	1500 mg/m <sup>3</sup>

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	AGW	1200 mg/m <sup>3</sup> 500 ppm
Carbon dioxide (CAS 124-38-9)	AGW	9100 mg/m <sup>3</sup> 5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	AGW	500 mg/m <sup>3</sup> 200 ppm

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	3560 mg/m <sup>3</sup>
	TWA	1780 mg/m <sup>3</sup>
Carbon dioxide (CAS 124-38-9)	STEL	54000 mg/m <sup>3</sup> 5000 ppm
	TWA	9000 mg/m <sup>3</sup> 5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1225 mg/m <sup>3</sup>
	TWA	500 ppm 980 mg/m <sup>3</sup> 400 ppm

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	2000 mg/m <sup>3</sup>
	TWA	500 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	600 mg/m <sup>3</sup> 250 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup> 5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TWA	490 mg/m <sup>3</sup> 200 ppm



**Ireland. Occupational Exposure Limits**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	STEL	27000 mg/m <sup>3</sup>
		15000 ppm
	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

**Italy. Occupational Exposure Limits**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup>
	TWA	350 mg/m <sup>3</sup>

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2420 mg/m <sup>3</sup>
		1000 ppm
	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup>
		250 ppm
	TWA	350 mg/m <sup>3</sup>
		150 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm

**Netherlands. OELs (binding)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2420 mg/m <sup>3</sup>
	TWA	1210 mg/m <sup>3</sup>
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm

**Norway. Administrative Norms for Contaminants in the Workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TLV	295 mg/m <sup>3</sup>
		125 ppm
Carbon dioxide (CAS 124-38-9)	TLV	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	TLV	245 mg/m <sup>3</sup>
		100 ppm

**Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1800 mg/m <sup>3</sup>
	TWA	600 mg/m <sup>3</sup>
Carbon dioxide (CAS 124-38-9)	STEL	27000 mg/m <sup>3</sup>
	TWA	9000 mg/m <sup>3</sup>
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1200 mg/m <sup>3</sup>
	TWA	900 mg/m <sup>3</sup>

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup>
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	750 ppm
	TWA	500 ppm
Carbon dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	500 mg/m3
		203 ppm
	TWA	200 mg/m3
		81 ppm

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m3
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1000 mg/m3
		400 ppm
	TWA	500 mg/m3
		200 ppm

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

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm
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
		200 ppm

**Spain. Occupational Exposure Limits**

<b>Components</b>	<b>Type</b>	<b>Value</b>
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m3
		500 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value
Carbon dioxide (CAS 124-38-9)	TWA	9150 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup>
		400 ppm
	TWA	500 mg/m <sup>3</sup> 200 ppm

**Sweden**

Components	Type	Value
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	STEL (STV)	300 ppm
	TWA	200 ppm
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic	STEL (STV)	300 ppm
	TWA	200 ppm

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

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	1200 mg/m <sup>3</sup>
		500 ppm
	TWA	600 mg/m <sup>3</sup> 250 ppm
Carbon dioxide (CAS 124-38-9)	STEL	18000 mg/m <sup>3</sup>
		10000 ppm
	TWA	9000 mg/m <sup>3</sup> 5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	600 mg/m <sup>3</sup>
		250 ppm
	TWA	350 mg/m <sup>3</sup> 150 ppm

**Switzerland**

Components	Type	Value
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane	TWA	500 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	2400 mg/m <sup>3</sup>
		1000 ppm
	TWA	1200 mg/m <sup>3</sup> 500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup>
		5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1000 mg/m <sup>3</sup>
		400 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value
	TWA	500 mg/m <sup>3</sup> 200 ppm

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	STEL	3620 mg/m <sup>3</sup> 1500 ppm
	TWA	1210 mg/m <sup>3</sup> 500 ppm
Carbon dioxide (CAS 124-38-9)	STEL	27400 mg/m <sup>3</sup> 15000 ppm
	TWA	9150 mg/m <sup>3</sup> 5000 ppm
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	STEL	1250 mg/m <sup>3</sup> 500 ppm
	TWA	999 mg/m <sup>3</sup> 400 ppm

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU**

Components	Type	Value
acetone; propan-2-one; propanone (CAS 67-64-1)	TWA	1210 mg/m <sup>3</sup> 500 ppm
Carbon dioxide (CAS 124-38-9)	TWA	9000 mg/m <sup>3</sup> 5000 ppm

**Biological limit values****Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	20 mg/g	Acetone	Creatinine in urine	*
	20 mg/l	Acetone	Blood	*
	0,34 mmol/l	Acetone	Blood	*
	39 mmol/mol	Acetone	Creatinine in urine	*
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	50 mg/l	Acetone	Blood	*
	50 mg/l	Acetone	Urine	*
	0,86 umol/l	Acetone	Urine	*
	0,86 umol/l	Acetone	Blood	*

\* - For sampling details, please see the source document.

**France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)**

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	100 mg/l	Acétone	Urine	*

\* - For sampling details, please see the source document.

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

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	80 mg/l	ACETON	Urine	*

**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	*

\* - For sampling details, please see the source document.

**Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2**

Components	Value	Determinant	Specimen	Sampling Time
acetone; propan-2-one; propanone (CAS 67-64-1)	53,36 mg/g	Acetone	Creatinine in urine	*
	80 mg/l	Acetone	Urine	*

\* - 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
acetone; propan-2-one; propanone (CAS 67-64-1)	50 mg/l	Acetona	Urine	*
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	40 mg/l	Acetona	Urine	*

\* - 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
acetone; propan-2-one; propanone (CAS 67-64-1)	80 mg/l	ACETON	Urine	*
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	25 mg/l	ACETON	Urine	*
	25 mg/l	ACETON	Blood	*

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)****General Population**

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

**Workers**

Components	Value	Assessment factor	Notes
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane (CAS EC921-024-6)			
Long-term, Systemic, Dermal	773 mg/kg bw/day		
Long-term, Systemic, Inhalation	2035 mg/m3		
Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)			
Long-term, Systemic, Dermal	888 mg/kg bw/day	1	
Long-term, Systemic, Inhalation	500 mg/m3	1	

**Predicted no effect concentrations (PNECs)**

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

**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.

**Eye/face protection**

Use eye 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. For prolonged or repeated skin contact use suitable protective gloves. Full contact: Glove material: Neoprene. Use gloves with breakthrough time of 480 minutes. Minimum glove thickness 0.38 mm.

**- Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

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

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures**

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**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.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Aerosol

**Colour**

Not available.

**Odour**

Not available.

**Odour threshold**

Not available.

**pH**

Not applicable.

**Melting point/freezing point**

-94,7 °C (-138,5 °F) estimated

**Initial boiling point and boiling range**

56 - 99 °C (132,8 - 210,2 °F)

**Flash point**

-26,0 °C (-14,8 °F)

**Evaporation rate**

2,8 (Ether=1)

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)**

2,5 % estimated

**Flammability limit - upper (%)**

12,8 % estimated

**Vapour pressure**

Not available.

**Vapour density**

3

**Vapour density temp.**

20 °C (68 °F)

**Relative density**

0,71 g/cm<sup>3</sup>

**Relative density temperature**

20 °C (68 °F)

**Solubility(ies)****Solubility (water)**

Insoluble in water

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

Not available.

<b>Auto-ignition temperature</b>	> 200 °C (> 392 °F)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

## 9.2. Other information

### Aerosol spray enclosed space

<b>Deflagration density</b>	Not available.
<b>Aerosol spray ignition distance</b>	Not available.
<b>Chemical family</b>	Cleaner
<b>VOC</b>	685 g/l

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid high temperatures. Avoid temperatures exceeding the decomposition temperature.
<b>10.5. Incompatible materials</b>	Acids. Strong oxidising agents. Aluminium. Chlorine. Isocyanates.
<b>10.6. Hazardous decomposition products</b>	Carbon oxides.

## SECTION 11: Toxicological information

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

### Information on likely routes of exposure

<b>Inhalation</b>	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms** 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.

### 11.1. Information on toxicological effects

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

Components	Species	Test Results
acetone; propan-2-one; propanone (CAS 67-64-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	15800 mg/kg
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, < 5% n-hexane		
<b>Acute</b>		
<b>Dermal</b>		
<i>Liquid</i>		
LD50	-	2920 mg/kg bw/day, 24 h
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	30000 mg/m <sup>3</sup> , 4 h
<b>Oral</b>		
<i>Liquid</i>		
LD50	Rat	5840 mg/kg bw/day

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.



<b>Respiratory sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	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.

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

<b>12.1. Toxicity</b>	Toxic to aquatic life with long lasting effects.
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.
<b>12.3. Bioaccumulative potential</b>	
<b>Partition coefficient n-octanol/water (log Kow)</b>	
acetone; propan-2-one; propanone	-0,24
Propan-2-ol; Isopropyl alcohol; Isopropanol	0,05
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.
<b>12.6. Other adverse effects</b>	The product contains volatile organic compounds which have a photochemical ozone creation potential.

### 12.7. Additional information

**Estonia Dangerous substances in soil Data**

Propan-2-ol; Isopropyl alcohol; Isopropanol (CAS 67-63-0)	Chemical pesticides (As the total sum of the active substances) 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
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	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).
<b>Contaminated packaging</b>	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.
<b>EU waste code</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Disposal methods/information</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Special precautions</b>	Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

### ADR

<b>14.1. UN number</b>	UN1950
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**14.2. UN proper shipping name** AEROSOLS, flammable

**14.3. Transport hazard class(es)**

**Class** 2.1

**Subsidiary risk** -

**Hazard No. (ADR)** Not available.

**Tunnel restriction code** (D)

**ADR/RID - Classification code:** 5F

**14.4. Packing group** Not applicable

**14.5. Environmental hazards** No.

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

#### IATA

**14.1. UN number** UN1950

**14.2. UN proper shipping name** AEROSOLS

**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 for user** Read safety instructions, SDS and emergency procedures before handling.

#### IMDG

**14.1. UN number** UN1950

**14.2. UN proper shipping name** AEROSOLS

**14.3. Transport hazard class(es)**

**Class** 2.1

**Subsidiary risk** -

**14.4. Packing group** Not available.

**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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**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**  
Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**  
acetone; propan-2-one; propanone (CAS 67-64-1)  
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**  
acetone; propan-2-one; propanone (CAS 67-64-1)  
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**  
acetone; propan-2-one; propanone (CAS 67-64-1)  
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:  
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 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: Intermediate Bulk Container.

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, 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

Not available.

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

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

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

Product and Company Identification: Alternate Trade Names

Composition / Information on Ingredients: Ingredients

## Training information

Follow training instructions when handling this material.

## Disclaimer

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