

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Date of Issue: 21/10/2021

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. **Product Identifier**

Product Form : Mixture

Product Name : Batiste™ Fragrance Range : Batiste™ Radiance **Product Synonym Product Code** : ASM067-057

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against 1.2.

Relevant Identified Uses 1.2.1.

Use of the Substance/Mixture : Leave on Hair Product.

Uses Advised Against 1.2.2. No additional information available

1.3. **Details of the Supplier of the Safety Data Sheet**

Company

Church & Dwight UK Wear Bay Road, CT19 6PG

Folkestone, Kent - United Kingdom

800-524-1328

www.churchdwight.com

consumer.relationsUK@churchdwight.com

1.4. **Emergency Telephone Number**

Emergency Number : (+44) 08706006266 (24 hours) UK national information service;

(+44) 0800 1216080 (Mon - Friday 9am - 4:30pm)

For Medical Emergency: 1-888-234-1828 (USA and Canada)

952-853-1925 (Outside USA and Canada);

For Chemical Emergency:

ChemTel LLC (800)255-3924 (North America)

+1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification According to Regulation (EC) No. 1272/2008

Aerosol 1 H222;H229

Full text of hazard classes. H- and EUH-statements: see section 16

2.2. **Label Elements**

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)



Signal Word (CLP) : Danger

Hazard Statements (CLP) : H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

Precautionary Statements (CLP) : 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.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50

°C/122 °F.

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2.3. Other Hazards

Other Hazards Not Contributing to the Classification

: Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contact with gas escaping the container can cause frostbite. May displace oxygen and cause rapid suffocation.

PBT: not relevant – no registration required vPvB: not relevant – no registration required

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Component	
Ethyl alcohol(64-17-5)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting
	properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission
	Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Ethanol (ethyl alcohol) possesses endocrine
	disrupting properties in both humans and animals related to cancer and foetal harm when consumed as alcoholic beverages
	in large enough quantities. This product is not formulated nor is it intended for oral consumption; therefore, the overall
	product is not considered an endocrine disruptor. For this reason, Ethanol is notated as an Endocrine Disruptor solely in the
	interest of Good Product Stewardship.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008
n-Butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0	40 - 50	Flam. Gas 1A, H220 Press. Gas
Isobutane	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0	15 - 20	Flam. Gas 1A, H220 Press. Gas
Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5	15 - 20	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Starch	(CAS-No.) 9005-25-8 (EC-No.) 232-679-6	3 - 11	Not classified
Ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	3 - 8	Flam. Liq. 2, H225
Benzyl acetate	(CAS-No.) 140-11-4 (EC-No.) 205-399-7	< 0,1	Aquatic Chronic 1, H410
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	(CAS-No.) 128-37-0 (EC-No.) 204-881-4	< 0,1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-Aid Measures General

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-Aid Measures After Inhalation

: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-Aid Measures After Skin Contact

: Remove contaminated clothing. For brief contact with a small amount: Rewarm with body heat. Get immediate medical advice/attention. For extensive contact or a large amount: Immediately call a poison center/doctor and follow their advice. Specific treatment is urgent, incorrect first-aid practices will aggravate the injury. Protect affected area with a loose cover until proper medical treatment is received. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists. Do not apply creams or ointments to severely burned skin.

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First-Aid Measures After Eye Contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Obtain medical attention if irritation

develops or persists.

First-Aid Measures After Ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects : Contact with gas escaping the container can cause frostbite. Asphyxia by lack of

oxygen: risk of death.

Symptoms/Effects After Inhalation: Prolonged exposure may cause irritation.

Symptoms/Effects After Skin Contact : Contact with gas escaping the container can cause frostbite and freeze burns.

Symptoms/Effects After Eye Contact: Contact with gas escaping the container can cause frostbite, freeze burns, and

permanent eye damage.

Symptoms/Effects After Ingestion : Not considered a potential route of exposure, but contact with gas escaping the

container can cause freeze burns and frostbite.

Chronic Symptoms : None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media : Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical. : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard : Flammable Aerosol

Explosion Hazard : Container may explode in heat of fire.

Reactivity : Hazardous reactions will not occur under normal conditions.

Hazardous Combustion Products : Carbon oxides (CO, CO₂). Smoke.

5.3. Advice for Firefighters

Precautionary Measures Fire : Exercise caution when fighting any chemical fire.

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Fight fire remotely due to

the risk of explosion.

Protection During Firefighting : Do not enter fire area without proper protective equipment, including respiratory

protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures : Avoid breathing (vapour, mist, spray, dust, gas). Avoid prolonged contact with

eyes, skin and clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment : Use appropriate personal protective equipment (PPE).

Emergency Procedures : Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment : Equip cleanup crew with proper protection.

Emergency Procedures : Upon arrival at the scene, a first responder is expected to recognise the presence

of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Evacuate

unnecessary personnel, isolate, and ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment : Stop leak, if possible without risk. As an immediate precautionary measure, isolate

spill or leak area in all directions.

Methods for Cleaning Up : Clean up spills immediately and dispose of waste safely. Transfer spilled material

to a suitable container for disposal. Contact competent authorities after a spill. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse vapours. Isolate the area until gas has dispersed. Ventilate and gas test

area before entering.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed : Asphyxiating gas at high concentrations. Product dust is combustible. Do not

pressurize, cut, or weld containers. Pressurised container: May burst if heated. Do

not pierce or burn, even after use.

Precautions for Safe Handling : Avoid breathing (dust, vapour, mist, gas). Wash hands and other exposed areas

with mild soap and water before eating, drinking or smoking and when leaving

work. Avoid prolonged contact with eyes, skin and clothing.

Hygiene Measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures : Comply with applicable regulations. Proper grounding procedures to avoid static

electricity should be followed.

Storage Conditions : Store in accordance with applicable national storage class systems. Keep container

closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials : Strong acids, strong bases, strong oxidisers.

7.3. Specific End Use(S)

Leave on Hair Product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Please see section 16 for the legal basis of limit value information in section 8.1, including the national legislation or provision which gives rise to a given limit.

n-Butane (106-97-	.9)	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³ (Butane (all isomers))
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)	800 ppm (Butane (all isomers))
Austria	OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	3800 mg/m ³
Austria	OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	1600 ppm
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	2370 mg/m³
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	980 ppm
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1900 mg/m³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1450 mg/m³ 22 mg/m³ (containing >=0.1% Butadiene)
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	600 ppm 10 ppm (containing >=0.1% Butadiene)
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	1810 mg/m³
Croatia	OEL STEL (Legal Basis:OG No. 91/2018)	750 ppm
Croatia	OEL Chemical Category (Legal Basis:OG No. 91/2018)	Carcinogen Category 1A containing >=0.1% Butadiene, Mutagen Category 1B containing >=0.1% Butadiene
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1200 mg/m³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	500 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1500 mg/m³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	800 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m³ (suffocating gas that displaces oxygen (Butane)
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen (Butane)
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2400 mg/m³
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1000 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	1900 mg/m³
France	OEL TWA (Legal Basis:INRS ED 984)	800 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m³
Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm
Greece	OEL TWA (Legal Basis:PWHSE)	2350 mg/m³
Greece	OEL TWA (Legal Basis:PWHSE)	1000 ppm
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	2350 mg/m³
Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	9400 mg/m³
Ireland	OEL TWA (Legal Basis:2020 COP)	1000 ppm (Aliphatic hydrocarbon gases - Alkanes (C1-C4))
Ireland	OEL STEL (Legal Basis:2020 COP)	3000 ppm (calculated)
USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	1000 ppm (explosion hazard (Butane, isomers)

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Latvia	OEL TWA (Legal Basis:Reg. No. 325)	300 mg/m ³	
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	600 mg/m ³	
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	250 ppm	
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	750 mg/m³ (value calculated)	
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	312,5 ppm (value calculated)	
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1900 mg/m³	
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	3000 mg/m ³	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	2400 mg/m³ (containing >=0.1% Butadiene)	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm (containing >=0.1% Butadiene)	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	9600 mg/m³ (containing >=0.1% Butadiene)	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm (containing >=0.1% Butadiene)	
Slovenia	OEL Chemical Category (Legal Basis:No. 79/19)	Category 1B containing >=0.1% Butadiene, Category 1A containing >=0.1% Butadiene	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7600 mg/m³ (Butane)	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m³ (Butane (all isomers))	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	800 ppm (Butane (all isomers))	
Isobutane (75-28-5)	<u> </u>	1 ++ + + + + + + + + + + + + + + + + +	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³ (Butane (all isomers))	
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)	800 ppm (Butane (all isomers))	
Austria	OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	3800 mg/m³ (Butane both isomers)	
Austria	OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	1600 ppm (Butane both isomers)	
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1900 mg/m³	
Estonia	,	800 ppm	
Finland	OEL TWA (Legal Basis:Regulation No. 105)	1900 mg/m³ (suffocating gas that displaces oxygen (Butane)	
	OEL TWA (Legal Basis:HTP-ARVOT 2020)		
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen (Butane)	
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2400 mg/m³ (Butane)	
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1000 ppm (Butane)	
Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m³	
Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm	
USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	1000 ppm (explosion hazard (Butane, isomers)	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	2400 mg/m³	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	9600 mg/m³	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7600 mg/m³ (Butane)	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m³ (including Butane (all isomers)	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	800 ppm (including Butane (all isomers)	
Propane (74-98-6)		1	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1800 mg/m ³	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1000 ppm	
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3600 mg/m ³	
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm	
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1000 ppm (gas)	
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1800 mg/m³	
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1800 mg/m³	
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1000 ppm	
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1800 mg/m³	
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1000 ppm	
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1500 mg/m³ (suffocating gas that displaces oxygen)	
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen)	
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2000 mg/m ³	
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1100 ppm	
Germany	OEL TWA (Legal Basis:TRGS 900)	1800 mg/m³	
Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm	
Greece	OEL TWA (Legal Basis:PWHSE)	1800 mg/m³	
Greece	OEL TWA (Legal Basis:PWHSE)	1000 ppm	
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Ireland	OEL STEL (Legal Basis:2020 COP)	3000 ppm (calculated (Aliphatic hydrocarbon gases - Alkanes (C1-C4))	
Ireland	OEL Chemical Category (Legal Basis:Decree No. 05/2020)	Simple asphyxiant	
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	1800 mg/m³	
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	1000 ppm	
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	900 mg/m³	
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	500 ppm	
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	1125 mg/m³ (value calculated)	
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	625 ppm (value calculated)	
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1800 mg/m³	
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	1000 ppm	
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	1400 mg/m³	
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	778 ppm	
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	1800 mg/m³	
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	1000 ppm	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1800 mg/m³	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	7200 mg/m ³	
Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7200 mg/m³	
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	4000 ppm	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1800 mg/m³	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1000 ppm	
Starch (9005-25-8)			
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	10 mg/m³	
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	10 mg/m³ (dust, inhalable fraction (Plant origin dust)	
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	4 mg/m³ (respirable dust) 10 mg/m³ (total dust, inhalable particles)	
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	4 mg/m³ (dust)	
Greece	OEL TWA (Legal Basis:PWHSE)	10 mg/m³ (inhalable fraction)	
		5 mg/m³ (respirable fraction)	
Ireland	OEL TWA (Legal Basis:2020 COP)	10 mg/m³ (total inhalable dust) 4 mg/m³ (respirable dust)	
Ireland	OEL STEL (Legal Basis:2020 COP)	30 mg/m³ (calculated-respirable dust (Borates) 12 mg/m³ (calculated)	
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	10 mg/m³	
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	10 mg/m³	
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A4 - Not Classifiable as a Human Carcinogen	
Spain	OEL TWA (Legal Basis:OELCAIS)	10 mg/m³	
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	3 mg/m³ (respirable dust)	
Ethyl alcohol (64-17-5)			
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1000 ppm	
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3800 mg/m³	
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm	
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1907 mg/m³	
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1000 ppm	
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1000 mg/m³	
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1900 mg/m³	
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1000 ppm	
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	1000 mg/m³	
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1900 mg/m³	
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1000 ppm	
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1000 mg/m³	
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	500 ppm	
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	1900 mg/m³	
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	1000 ppm	
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m³	

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Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1000 ppm
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2500 mg/m³
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1300 ppm
France	OEL STEL (Legal Basis:INRS ED 984)	9500 mg/m³
France	OEL STEL (Legal Basis:INRS ED 984)	5000 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	1900 mg/m³
France	OEL TWA (Legal Basis:INRS ED 984)	1000 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	380 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL TWA (Legal Basis:TRGS 900)	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (Legal Basis:PWHSE)	1900 mg/m³
Greece	OEL TWA (Legal Basis:PWHSE)	1000 ppm
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	1900 mg/m³
Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	3800 mg/m³
Ireland	OEL STEL (Legal Basis:2020 COP)	1000 ppm
USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	1000 ppm
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	1000 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	1000 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	500 ppm
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	1900 mg/m³
Lithuania	OEL STEL (Legal Basis:A-N 684)	1000 ppm
Netherlands	OEL TWA (Legal Basis:OWCRLV)	260 mg/m³
Netherlands	OEL STEL (Legal Basis:OWCRLV)	1900 mg/m³
Netherlands	OEL Chemical Category (Legal Basis:OWCRLV)	Skin notation
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	950 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	500 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	1187,5 mg/m³ (value calculated)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	625 ppm (value calculated)
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1900 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	1000 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	1900 mg/m³
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	1000 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	9500 mg/m³
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	5000 ppm
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	960 mg/m³
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	500 ppm
Slovakia	OEL STEL (Legal Basis:Gov. Decree 33/2018)	1920 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	960 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	500 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	1920 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	1000 ppm
Spain	OEL STEL (Legal Basis:OELCAIS)	1910 mg/m³
Spain	OEL STEL (Legal Basis:OELCAIS)	1000 ppm
Sweden	ł	1
	OEL TLV (Legal Basis:AFS 2018:1)	1000 mg/m ³
Sweden	OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1)	500 ppm
	,	5.
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	500 ppm
Sweden Sweden	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1)	500 ppm 1900 mg/m³
Sweden Sweden Sweden	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1)	500 ppm 1900 mg/m³ 1000 ppm
Sweden Sweden Sweden Switzerland	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³
Sweden Sweden Sweden Switzerland Switzerland	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF) OEL STEL (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³ 1000 ppm
Sweden Sweden Switzerland Switzerland Switzerland Switzerland	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF) OEL STEL (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³ 1000 ppm 960 mg/m³
Sweden Sweden Sweden Switzerland Switzerland Switzerland Switzerland Benzyl acetate (140-11	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF) OEL STEL (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³ 1000 ppm 960 mg/m³ 500 ppm
Sweden Sweden Sweden Switzerland Switzerland Switzerland Switzerland Benzyl acetate (140-11 Belgium	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF) OEL STEL (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF) -4) OEL TWA (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³ 1000 ppm 960 mg/m³ 500 ppm
Sweden Sweden Sweden Switzerland Switzerland Switzerland Switzerland Benzyl acetate (140-11	OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:OLVSNAIF) OEL STEL (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF) OEL TWA (Legal Basis:OLVSNAIF)	500 ppm 1900 mg/m³ 1000 ppm 1920 mg/m³ 1000 ppm 960 mg/m³ 500 ppm

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Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	10 ppm
Ireland	OEL TWA (Legal Basis:2020 COP)	10 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	30 ppm (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	10 ppm
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	5 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	5 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	10 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A4 - Not Classifiable as a Human Carcinogen
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	50 mg/m ³
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	8 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	80 mg/m ³
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	13 ppm
Spain	OEL TWA (Legal Basis:OELCAIS)	62 mg/m³
Spain	OEL TWA (Legal Basis:OELCAIS)	10 ppm
Phenol, 2,6-bis(1,1-di	methylethyl)-4-methyl- (128-37-0)	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	10 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	2 mg/m³ (aerosol and vapour)
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	10 mg/m ³
Bulgaria	OEL STEL (Legal Basis:Reg. No. 13/10)	50 mg/m ³
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	10 mg/m ³
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	10 mg/m³
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	10 mg/m³
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	20 mg/m ³
France	OEL TWA (Legal Basis:INRS ED 984)	10 mg/m ³
Germany	OEL TWA (Legal Basis:TRGS 900)	10 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (Legal Basis:PWHSE)	10 mg/m³
Ireland	OEL TWA (Legal Basis:2020 COP)	2 mg/m³
Ireland	OEL STEL (Legal Basis:2020 COP)	6 mg/m³ (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	2 mg/m³ (inhalable fraction and vapour)
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	2 mg/m³ (inhalable fraction, aerosol and vapour)
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	A4 - Not Classifiable as a Human Carcinogen
Slovenia	OEL TWA (Legal Basis:No. 79/19)	10 mg/m³ (inhalable fraction)
Slovenia	OEL STEL (Legal Basis:No. 79/19)	40 mg/m³ (inhalable fraction)
Spain	OEL TWA (Legal Basis:OELCAIS)	10 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	40 mg/m³ (aerosol, inhalable dust, vapour)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	10 mg/m³ (no elevated carcinogenic risk by keeping the MAK-value- aerosol, inhalable dust, vapour)
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Category C1B carcinogen carcinogenic with threshold value

8.2. Exposure Controls

Appropriate Engineering Controls

: For occupational/workplace settings: . Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Use explosion-proof equipment.

Personal Protective Equipment

: For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Personal protective equipment should be chosen in accordance with Regulation (EU) 2016/425, CEN standards, and in discussion with the supplier of the protective equipment.







Materials for Protective Clothing Hand Protection

- : For occupational/workplace settings: Chemically resistant materials and fabrics.
- : For occupational/workplace settings: Wear protective gloves. If material is cold, wear thermally resistant protective gloves.

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Eye Protection : For occupational/workplace settings: Chemical safety goggles.

Skin and Body Protection : For occupational/workplace settings: Wear suitable protective clothing.

Respiratory Protection : For occupational/workplace settings: If exposure limits are exceeded or irritation is

experienced, approved respiratory protection should be worn. In case of

inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are

not known wear approved respiratory protection.

Thermal Hazard Protection : For occupational/workplace settings: Wear thermally resistant protective clothing.

Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Gas
Colour, Appearance : Colourless
Colour : No data available

Odour : Comparable to reference

Odour Threshold : No data available

рΗ : Not applicable **Evapouration Rate** : No data available **Melting Point** : Not applicable **Freezing Point** Not applicable **Boiling Point** : -42 °C (Propane) **Flash Point** : -60 °C (n-Butane) : 287 °C (n-Butane) **Auto-Ignition Temperature Decomposition Temperature** : No data available

Flammability (solid, gas) : No data available
Vapour Pressure : No data available
Relative Vapour Density At 20 °C : No data available
Relative Density : No data available
Solubility : Water: Insoluble
Partition Coefficient n-Octanol/Water : No data available
Viscosity : No data available

Explosive Properties : Contains gas under pressure; may explode if heated.

Oxidising Properties: No data availableExplosive Limits: Not availableParticle Aspect Ratio: Not applicableParticle Aggregation State: Not applicableParticle Agglomeration State: Not applicableParticle Specific Surface Area: Not applicableParticle Dustiness: Not applicable

9.2. Other Information

% of flammable ingredients : 92,18

Gas Group : Compressed gas

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Contains gas under pressure; may explode if heated.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidisers.

10.6. Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Hazard Classes As Defined In Regulation (Ec) No 1272/2008

Likely Routes of Exposure : Dermal

Eye contact Ingestion Inhalation

Acute Toxicity (Oral) : Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute Toxicity (Inhalation) : Not classified (Based on available data, the classification criteria are not met)

n-Butane (106-97-8)		
30957 mg/m³ (Exposure time: 4 h)		
276798,8 ppm		
> 800000 ppm (Exposure time: 15 min)		
Ethyl alcohol (64-17-5)		
10470 mg/kg		
20 ml/kg		
124,7 mg/l/4h		
15.780,00 mg/kg bodyweight		
Benzyl acetate (140-11-4)		
2490 mg/kg		
> 5000 mg/kg		
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)		
> 2930 mg/kg (Species: Sprague-Dawley)		
> 2000 mg/kg		

Skin Corrosion/Irritation	: Not classified (Based on available data, the classification criteria are not met)
Eye Damage/Irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or Skin Sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ Cell Mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

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Benzyl acetate (140-11-4)	
IARC Group	3
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)	
IARC Group	3

Reproductive Toxicity

Chronic Symptoms

: Not classified (Based on available data, the classification criteria are not met)

Specific Target Organ Toxicity (Single

Exposure)

: Not classified (Based on available data, the classification criteria are not met)

Specific Target Organ Toxicity (Repeated : Exposure)

Not classified (Based on available data, the classification criteria are not met)

Aspiration Hazard Symptoms/Injuries After Inhalation : Not classified (Based on available data, the classification criteria are not met)

Symptoms/Injuries After Skin Contact Symptoms/Injuries After Eye Contact : Prolonged exposure may cause irritation.

: Contact with gas escaping the container can cause frostbite and freeze burns.: Contact with gas escaping the container can cause frostbite, freeze burns, and

permanent eye damage.

Symptoms/Injuries After Ingestion

: Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite.

: None expected under normal conditions of use.

11.2. Information On Other Hazards

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 or the substance(s) are not required to be disclosed.

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Component		
	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Ethanol (ethyl alcohol) possesses endocrine disrupting properties in both humans and animals related to cancer and foetal harm when consumed as alcoholic beverages in large enough quantities. This product is not formulated nor is it intended for oral consumption; therefore, the overall product is not considered an endocrine disruptor. For this reason, Ethanol is notated as an Endocrine Disruptor solely in the interest of Good Product Stewardship.	

SECTION 12: ECOLOGICAL INFORMATION

12.1. **Toxicity**

Hazardous To The Aquatic Environment, : Not classified (Based on available data, the classification criteria are not met)

Short-Term (Acute)

Hazardous To The Aquatic Environment, : Not classified (Based on available data, the classification criteria are not met)

Long-Term (Chronic)

Ethyl alcohol (64-17-5)		
LC50 - Fish [1]	11200 mg/l	
EC50 - Crustacea [1]	9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
LC50 - Fish [2]	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
ErC50 algae	1000 mg/l	
NOEC chronic crustacea	9,6 mg/l	
Benzyl acetate (140-11-4)		
LC50 - Fish [1]	4 mg/l	
NOEC chronic fish	0,92 mg/l	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)		
EC50 - Crustacea [1]	0,48 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 - Other aquatic organisms [2]	0,43 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)	
NOEC chronic fish	0,053 mg/l	
NOEC chronic crustacea	0,069 mg/l (Species: Daphnia magna)	

12.2. **Persistence and Degradability**

Batiste™ Fragrance Range	
Persistence and Degradability	Not established.

12.3. **Bioaccumulative Potential**

Batiste™ Fragrance Range	iste™ Fragrance Range	
Bioaccumulative Potential	Not established.	
n-Butane (106-97-8)		
Log POW	2,89	
Isobutane (75-28-5)		
BCF Fish 1	1,57 – 1,97	
Log POW	2,88 (at 20 °C)	
Propane (74-98-6)		
Log POW	2,3	
Ethyl alcohol (64-17-5)		
Log POW	-0,32	
Benzyl acetate (140-11-4)		
Log POW	1,96	
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)		
BCF Fish 1	230 – 2500	
Log POW	4,17	

Mobility in Soil 12.4.

No additional information available

Results of PBT and vPvB Assessment 12.5.

Batiste™ Fragrance Range	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

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12.6. Endocrine Disrupting Properties

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

Component	
Ethyl alcohol (64-17-5)	Endocrine disrupting effects are not expected for the environment.

12.7. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Product/Packaging Disposal : Dispose of contents/container in accordance with local, regional, national,

Recommendations territorial, provincial, and international regulations.

Additional Information : Hazardous waste (ignitable) due to the presence of flammable liquids and gases. Do

not puncture or incinerate container.

Ecology - Waste Materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN Numbe	er or ID Number			
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN Proper	Shipping Name			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport I	Hazard Class(Es)			
2.1	Not applicable	2.1	2.1	2.1
2	*	*	2	2
14.4. Packing Gr	oup			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environme	ntal Hazards			
Dangerous for the environment : No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special Precautions For User

No additional information available

14.7. Maritime Transport in Bulk According to IMO instruments

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1. EU-Regulations

15.1.1.1. REACH Annex XVII Information

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

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3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Benzyl acetate
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Ethyl alcohol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	n-Butane ; Isobutane ; Propane ; Ethyl alcohol

15.1.1.2. REACH Candidate List Information

Contains no substance on the REACH candidate list

15.1.1.3. POP (2019/1021) - Persistent Organic Pollutants Information

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.1.4. PIC Regulation EU (649/2012) - Export and Import of Hazardous Chemicals Information

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

15.1.1.5. REACH Annex XIV Information

Contains no REACH Annex XIV substances

15.1.1.6. Substances Depleting the Ozone layer (1005/2009) Information

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

No additional information available

15.1.1.7. EC Inventory Information

n-Butane (106-97-8)

Isobutane (75-28-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Propane (74-98-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Starch (9005-25-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Ethyl alcohol (64-17-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Benzyl acetate (140-11-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)

15.1.1.8. Other Information

No additional information available

15.1.2. National Regulations

No additional information available

15.1.3. International Inventory Lists

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Isobutane (75-28-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

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Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Propane (74-98-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Starch (9005-25-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Ethyl alcohol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Benzyl acetate (140-11-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl- (128-37-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

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Japanese Pollutant Release and Transfer Register Law (PRTR Law)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemicals Inventory)

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Date of Preparation or Latest Revision

: 21/10/2021

Data Sources

: Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS

or their subsequent adoption of GHS.

Other Information : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment

Regulation (EU) 2020/878

Full Text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Flam. Gas 1A	Flammable gases, Category 1A	
Flam. Liq. 2	Flammable liquids, Category 2	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H225	Highly flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
Press. Gas	Gases under pressure	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	

Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]:

Indication of Changes

No additional information available

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists

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
ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor BEI - Biological Exposure Indices (BEI)

BOD – Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number

CLP - Classification, Labeling and Packaging Regulation (EC) No 1272/2008

COD – Chemical Oxygen Demand EC – European Community

EC50 - Median Effective Concentration EEC – European Economic Community

EINECS – European Inventory of Existing Commercial Chemical Substances

EmS-No. (Fire) - IMDG Emergency Schedule Fire EmS-No. (Spillage) - IMDG Emergency Schedule Spillage

EU – European Union

ErC50 - EC50 in Terms of Reduction Growth Rate

GHS – Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association IBC Code - International Bulk Chemical Code IMDG - International Maritime Dangerous Goods

IPRV - Ilgalaikio Poveikio Ribinis Dydis

IOELV – Indicative Occupational Exposure Limit Value

NDS - Najwyzsze Dopuszczalne Stezenie

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe

NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect Concentration

NRD - Nevirsytinas Ribinis Dydis
NTP – National Toxicology Program
OEL - Occupational Exposure Limits

PBT - Persistent, Bioaccumulative and Toxic

PEL - Permissible Exposure Limit

pH – Potential Hydrogen

REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals RID – Regulations Concerning the International Carriage of Dangerous Goods

by Rail

SADT - Self Accelerating Decomposition Temperature

SDS - Safety Data Sheet

STEL - Short Term Exposure Limit STOT - Specific Target Organ Toxicity

TA-Luft - Technische Anleitung zur Reinhaltung der Luft

TEL TRK – Technical Guidance Concentrations

ThOD – Theoretical Oxygen Demand TLM - Median Tolerance Limit

TLV - Threshold Limit Value
TPRD - Trumpalaikio Poveikio Ribinis Dydis

TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von

Gefahrstoffen in ortsbeweglichen Behältern

TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine

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LC50 - Median Lethal Concentration

LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level

LOEC - Lowest-Observed-Effect Concentration

Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water

MAK – Maximum Workplace Concentration/Maximum Permissible Concentration

MARPOL - International Convention for the Prevention of Pollution

Limit Value Legal Basis*

*Includes the below and any related regulations/provisions, and subsequent amendements

EU - 2019/1831 EU in accor. with 98/24/EC - Directive 2019/1831/EU of October 24, 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 2000/39/EC.

EU - 2019/1243/EU, and 98/24/EC) - Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work and amendment Regulation (EU) 2019/1243.

Austria - BGBI. II Nr. 254/2018 - Ordinance on Limit Values for Workplace Substances and on Carcinogens from the Federal Ministry of Economics and

Labour, Published in 2003, Appendix 1: Substance List, Published through: Ministry of Economics and Labour of the Republic of Austria amended through the Government Gazette II (BGBL. II) No 119/2004) & BGBI. II No. 242/2006, BGBI. II No. 243/2007, lastly changed through BGBI. I Nr. 51/2011), BGBI. II Nr. 186/2015, BGBI. II Nr. 288/2017 amended by BGBI. II Nr. 254/2018.

Austria - BLV BGBI. II Nr. 254/2018 - Ordinance on health monitoring at the workplace 2008, published through BGBI. II Nr. 224/2007 by Austria Minister for Labor and Social Affairs, Lastly changed through BGBI. II Nr. 254/2018

Belgium - Royal Decree 21/01/2020 - Royal decree amending title 1 relating to chemical agents in Book VI of the code of well-being at work, with regard to the list of limit values of exposure to chemical agents and title 2 relating to carcinogens, mutagens and reprotoxics of Book VI of the code of well-being at work (1)

Bulgaria - Reg. No. 13/10 -

Regulation No. 13 of December 30, 2003 on the Protection of Workers from Hazards Related to Exposure to Chemical Agents at Work Labor Code, Annex No.1 Limit values of chemical agents in the air of the working environment, and Annex № 2 Biological limit values of chemical agents and their metabolites (bio markers of exposure) or bio markers of effect Amended by: 71/2006, 67/2007, 2/2012, 46/2015, 73/2018, 5/2020), and Regulation No.10 of September 26, 2003 on the Protection of Workers from the Risks Associated with Exposure to Carcinogens and Mutagens at Work Annex No.1 Occupational Exposure Limits, Amended by: 8/2004, 46/2015, 5/2020

Croatia - OG No. 91/2018 - Regulation on the Protection of Workers from Exposure to Hazardous Chemicals at Work, the Limit Values of Exposure and the Biological Limit Values. Official Gazette No. 91 of October 12, 2018

Cyprus - KDP 16/2019 - Government of Cyprus Cabinet of Ministers Regulation 268/2001 - Safety and Health in the Working Environment (Chemical Substances) Article 38, As amended by Regulation 16/2019 and Cabinet of Ministers Regulation 153/2001 - Safety and Health in the Working Environment (Chemical Substances-Carcinogens), as amended by Regulation 493/2004 - Safety and Health in the Working Environment (Chemical Substances - Carcinogens) AND Law 47(I) 2000 - Occupational Health and Safety (Asbestos), as amended by Decree 316/2006.

Czech Republic - Reg. 41/2020 - Regulation 41/2020 amending Regulation 361/2007 of Coll. establishing Occupation Exposure Limits as amended Czech Republic - Decree No. 107/2013 - Decree No. 107/2013 Coll., amending Decree No. 432/2003 Coll., laying down the conditions for the application of the work into categories, limit values for the parameters of biological exposure tests, collection of biological material conditions for the implementation of biological exposure tests and requirements for reporting work with asbestos and biological agents

Denmark - BEK No. 698 of 28/05/2020 - Order on Limit Values for Substances and Materials, The Statutory Order No. 507 of May 17, 2011, Appendix 1 - Limits for air pollution, etc. and Appendix 3 - Biological Exposure Values, Amended by: No. 986 of October 11, 2012, No. 655 of May 31, 2018, No. 1458 December 13, 2019, No. 698 of May 28, 2020

Estonia - Regulation No. 105 - Health and Safety Requirements for the Use of Dangerous Chemicals and Materials Containing Them and Occupational

TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte

TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average VOC – Volatile Organic Compounds

VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE - Valeur Limite D'exposition

VME – Valeur Limite De Moyenne Exposition

vPvB - Very Persistent and Very Bioaccumulative

WEL - Workplace Exposure Limit

WGK - Wassergefährdungsklasse

Greece - PWHSE - Occupational Exposure Limits - Protection of workers' health and safety from exposure to certain chemical substances during the workday, (latest amendment 82/2018) and Occupation Exposure Limits - Protection of workers' health and safety from exposure to certain carcinogenic and mutagenic chemical substances (latest amendment 26/2020), and Presidential Decree 212/2006 - Protection of workers that are exposed to asbestos.

Hungary - Decree 05/2020 - 5/2020. (II. 6.) ITM decree on the protection of the health and safety of workers from the risks related to chemical agents

Ireland - 2020 COP - 2020 Code of Practice for the Chemical Agents

Regulations, Schedule 1

Italy - Decree 81 - Title IX, Annex XLIII and XXXVIII, Professional Exposure Limits and Annex XXXIX Mandatory Biological Limit Values and Health Monitoring, Article 1, Law 123 of August 3, 2007, Legislative Decree 81 of April 9, 2008, Last amended: January 2020

Latvia - Reg. No. 325 - Cabinet of Ministers Regulation No. 325 - Labour Protection Requirements when Coming in Contact with Chemical Substances at Workplaces, Amended by Cabinet of Ministers Regulation No. 92, 163, 407 and No. 11.

Lithuania - HN 23:2011 - Lithuanian Hygiene Standard HN 23:2011
Occupational Exposure Limit Values, Amended by Order V-695/A1-272. **Luxembourg - A-N 684** - Grand-Ducal Regulation of 20 July 2018 amending the Grand-Ducal Regulation of 14 November 2016 concerning the protection of the safety and health of employees against the risks associated with chemical agents in the workplace. Official journal of the Grand-Duke of Luxembourg, A-N°684 of 2018

Malta - MOSHAA Ch. 424 - Malta Occupational Health and Safety Authority Act: Chapter 424 as amended by: Legal Notice 353, 53, 198, and 57.

Netherlands- OWCRLV - Occupational Working Conditions Regulation, Limit Values for substances harmful to health, Annex XVIII, Updated from August 1, 2020.

Norway - FOR-2020-04-060695 - Regulations concerning action and limit values for physical and chemical agents in the working environment and classified biological agents, FOR-2011-12-06-1358, Updated by: FOR-2020-04-06-695, FOR-2020-03-23-402, FOR-2018-12-20-2186, FOR-2018-08-21-1255, FOR-2017-12-20-2353.

Poland - Dz. U. 2020 Nr. 61 - Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the Highest Allowable Concentrations and Intensities of Factors Harmful to Health in the Work Environment Dz.U. 2018 Nr. 1286 of June 12, 2018, Annex 1 - List of values of the highest permissible chemical concentrations and dust factors harmful to health in the work environment, amended by: Dz. U. 2020 Nr. 61.

Portugal - Portuguese Norm NP 1796:2014 - Occupational exposure limits and biological exposure indices to chemical agents. Table 1 - Occupational exposure limits and biological exposure indices to chemical agents (OELs), Law Decree 35/2020.

Romania - Gov. Dec. No 1.218 - Governmental Decision No. 1.218 from 06/09/2006 on the minimum health and safety requirements for protection of workers from the risks related to exposure to chemical agents, Annex No. 1 Mandatory National Occupational Exposure Limit Values for Chemical Agents. Amended by Decision no. 157, 584, 359, and 1.

Slovakia - Gov. Decree 33/2018 - Government Decree of Slovak Republic 33/2018 on January 17, 2018 amending Government Decree of Slovak Republic 355/2006 about protection of health of employees when working with chemical agents

Slovenia - No. 79/19 - Regulation for protection of workers against risks related to carcinogenic or mutagenic substances exposure. Annex III - Classification and binding levels of carcinogenic or mutagenic substances for occupational exposure. The Official Journal of the Republic of Slovenia, No.

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Exposure Limits to Chemical Agents

Government of the Republic, Regulation No. 105 of 20 March 2001, Amended 17 October 2019, and 17 January, 2020.

Finland - HTP-ARVOT 2020 - Concentrations Known to be Hazardous, 654/2020 OEL values 2020 Publications of Ministry of Social Affairs and Health 2020:24 Annexes1, 2 and 3.

France - INRS ED 984 - Occupational Exposure Limit Values to Chemical Agents in France Published 2016 by the INRS National Institute of Research and Safety Health and safety of work, revised, updated by: Decree 2016-344, JORF No 0119, and Decree 2019-1487.

France - Decree 2009-1570 - Decree 2009-1570 of December 15, 2009, relative to the control of chemical risk on workplaces.

Germany - TRGS 900 - Occupational Exposure Limits, Technical Rules for Dangerous Substances, latest amendment March, 2020

Germany - TRGS 903 - Biological Threshold Limits (BGW-Values), Technical Rules for Dangerous Substances, latest amendment March, 2020

Gibraltar - LN. 2018/131 - Factories (Control of Chemical Agents at Work) Regulations 2003 LN. 2003/035, amended by LN. 2008/035, LN. 2008/050, LN. 2012/021, LN. 2015/143, LN. 2018/181.

Church&Dwight EU GHS SDS (2020/878)

101/2005. Amended by 38/15, 79/19. Regulation for protection of workers against risks related to exposure to chemical substances at the workplace. Republic of Slovenia, No. 100/2001. Annex I - List of Binding Occupational Exposure Limit Values. Amended by 39/05, 53/07, 102/10, 38/15, 78/18, 78/19 Spain - AFS 2018:1 - NATIONAL INSTITUTE FOR HEALTH AND SAFETY AT WORK. Occupational exposure limits for chemical agents in Spain. Tables 1 and 3. Latest edition Feb. 2019

Sweden - AFS 2018:1 - Statute Book of the Swedish Work Environment Authority, AFS 2018:1

The Swedish Work Environment Authority's Ordinance and General Guidance on Hygienic Limit Values

Switzerland - OLVSNAIF - Occupational Limit Values 2020 Swiss National Accident Insurance Fund. List of Biological Limit Values (BAT-Werte) and List of MAK Values.

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