

Safety Data Sheet

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

Revision Date: 28/03/2023 Date of Issue: 22/07/2021

Version: 2.0

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

1.1. Product Identifier

Product Form : Mixture

Product Name : Batiste™ Naturally – Hemp and Coconut (De-Frizz SKU) (EU GHS (2020/878))

Product Code : ASM067-063

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

1.2.1. Relevant Identified Uses

**Use of the Substance/Mixture** : Dry Shampoo for Haircare

**1.2.2.** Uses Advised Against No additional information available

1.3. Details of the Supplier of the Safety Data Sheet

CompanyCompanyChurch & Dwight UKSofibel

Wear Bay Road, CT19 6PG 110-114 RUE VICTOR HUGO Folkestone, Kent – United Kingdom 92300 LEVALLOIS PERRET

+ 44 0800 121 6080 (Mon - Friday 9am - 4:30pm) FRANCE

<u>www.churchdwight.com</u> Téléphone :01.49.68.41.00 <u>consumer.relationsUK@churchdwight.com</u> <u>www.churchdwight.com</u>

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: VelocityEHS (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

 Skin Sens. 1A
 H317

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.

H317 - May cause an allergic skin reaction.

Precautionary Statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

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

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing gas, dust.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear eye protection, protective clothing, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P321 - Specific treatment (see supplemental first aid instruction on this label).

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P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

 ${\tt P410+P412-Protect\ from\ sunlight.\ Do\ not\ expose\ to\ temperatures\ exceeding\ 50}$ 

°C/122 °F.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other Hazards

Other Hazards Not Contributing to the Classification

: The propellant gas in the container is a simple asphyxiant. If the container is manipulated, punctured, or if it leaks, the gas may cause asphyxiation in confined spaces. Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contact with gas escaping the container can cause frostbite.

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

# **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 substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, FI, FR, GB, GR, HR, HU, IE, LV, PL, SI, NO, CH)	(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 (Comp.), H280
Isobutane substance with national workplace exposure limit(s) (AT, DE, EE, FI, SI, CH)	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0	20 – 30	Flam. Gas 1A, H220 Press. Gas
Propane substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, EE, FI, GR, IE, LV, PL, PT, RO, SI, NO, CH)	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5	10 – 20	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Ethyl alcohol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SI, SK, NO, CH); substance identified as having endocrine disrupting properties	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	5 – 10	Flam. Liq. 2, H225
Starch substance with national workplace exposure limit(s) (BE, BG, CZ, ES, GB, GR, HR, IE, PT, CH)	(CAS-No.) 9005-25-8 (EC-No.) 232-679-6	1 - 5	Not classified
Cannabis sativa, extract	(CAS-No.) 89958-21-4 (EC-No.) 289-644-3	0,1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Coconut oil substance with national workplace exposure limit(s) (DE, CH)	(CAS-No.) 8001-31-8 (EC-No.) 232-282-8	< 0,1	Not classified
Dipentene substance with national workplace exposure limit(s) (EE, LT, SE, NO); substance identified as having endocrine disrupting properties	(CAS-No.) 138-86-3 (EC-No.) 205-341-0 (EC Index-No.) 601-029-00-7	0,0035 – 0,007	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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.betaPinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO); substance identified as having endocrine disrupting properties	(CAS-No.) 127-91-3 (EC-No.) 204-872-5;242-060-2	0,0007 – 0,0014	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Citral substance with national workplace exposure limit(s) (BE, ES, IE, PL, PT)	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3	0,00014 – 0,0007	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

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 : Obtain medical attention if breathing difficulty persists. First, take proper

precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove

the exposed person to fresh air. Keep at rest in a position comfortable for

breathing.

First-Aid Measures After Skin Contact : Immediately remove contaminated clothing. Drench affected area with water for at

least 5 minutes. Obtain medical attention if irritation develops or persists. 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.

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. Exposure may produce an allergic reaction.

Symptoms/Effects After Inhalation : In elevated concentrations may cause asphyxiation, central nervous system effects,

and increased breathing rate. Symptoms of asphyxiation include headache, dizziness, rapid breathing, increased pulse, mood changes, tremors, cyanosis, muscular weakness, narcosis, numbness of the extremities, unconsciousness and

death.

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** : May produce an allergic reaction.

# 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 (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or

sand

**Unsuitable Extinguishing Media** : 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. Heat may build pressure, rupturing closed

containers, spreading fire and increasing risk of burns and injuries.

**Reactivity** : Reacts violently with strong oxidisers. Increased risk of fire or explosion.

**Hazardous Combustion Products** : Carbon oxides (CO, CO<sub>2</sub>).

**5.3.** Advice for Firefighters

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

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

the risk of explosion. DO NOT fight fire when fire reaches containers. Evacuate

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

protection.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures** : Keep away from heat, hot surfaces, sparks, open flames, and other ignition

sources. No smoking. Do not get in eyes, on skin, or on clothing. Do not breathe

gas, dust.

For Non-Emergency Personnel 6.1.1.

: Use appropriate personal protective equipment (PPE). **Protective Equipment Emergency Procedures** : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Responders

**Protective Equipment** : Equip cleanup crew with proper protection.

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

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

sources first, then ventilate the area.

#### 6.2. **Environmental Precautions**

Methods for Cleaning Up

Prevent entry to sewers and public waters.

#### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment** : As an immediate precautionary measure, isolate spill or leak area in all directions.

> : 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 vapors. 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.

# **SECTION 7: HANDLING AND STORAGE**

#### **Precautions for Safe Handling** 7.1.

**Additional Hazards When Processed** : Asphyxiating gas at high concentrations. Pressurised container: May burst if

heated. Do not pierce or burn, even after use. Do not pressurize, cut, or weld

**Precautions for Safe Handling** : Avoid prolonged contact with eyes, skin and clothing. Do not spray on an open

> flame or other ignition source. Do not breathe dust, gas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and

when leaving work.

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

#### 7.2. **Conditions for Safe Storage, Including Any Incompatibilities**

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

electricity should be followed.

**Storage Conditions** : Store in accordance with applicable national storage class systems. Store in a dry,

cool place. Keep/Store away from direct sunlight, extremely high or low

temperatures and incompatible materials. Keep only in the original container in a cool, well ventilated place away from ignition sources. Protect from sunlight. Do

not expose to temperatures exceeding 50°C/122°F.

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

#### Specific End Use(S) 7.3. Dry Shampoo for Haircare

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

# **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 (106-97-8)

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According to Regulation (	EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2	1
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³ (Butane (all isomers))
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	800 ppm (Butane (all isomers))
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3800 mg/m³
Austria	OEL STEL (Legal Basis:BGBl. 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/m <sup>3</sup>
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/m <sup>3</sup>
Greece	OEL TWA (Legal Basis:PWHSE)	1000 ppm
Hungary	OEL TWA (Legal Basis: Whise)  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)
Latvia	,	300 mg/m <sup>3</sup>
	OEL TWA (Legal Basis:Reg. No. 325)	600 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	5
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 <sup>3</sup>
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)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³ (Butane (all isomers))
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	800 ppm (Butane (all isomers))
Austria	OEL STEL (Legal Basis:BGBl. 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	OEL TWA (Legal Basis:Regulation No. 105)	800 ppm
Latonia	OLL 1447 (regai pasis.Negulation No. 103)	ουο ργιιι

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recording to regulation (	EC) No. 1907/2006 (REACH) WITH ITS amendment Regulation (EU) 2	1
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 (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)	, , , , , , , , , , , , , , , , , , , ,	
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1800 mg/m³
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)  OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)	1000 ppm
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)  OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	3600 mg/m <sup>3</sup>
Austria	. ,	2000 ppm
	OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1000 ppm (gas)
Bulgaria Denmark	OEL TWA (Legal Basis:Reg. No. 13/10)	1800 mg/m <sup>3</sup> 1800 mg/m <sup>3</sup>
	OEL TWA (Legal Basis: BEK No. 698 of 28/05/2020)	<u> </u>
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/m³
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
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/m <sup>3</sup>
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/m <sup>3</sup>
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	1000 ppm
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	1400 mg/m <sup>3</sup>
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	778 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	1800 mg/m <sup>3</sup>
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	1000 ppm
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1800 mg/m <sup>3</sup>
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	7200 mg/m <sup>3</sup>
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)		

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recording to negulation	on (EC) No. 1907/2006 (REACH) With its amendment Regulation (EC	7/2020/070
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	10 mg/m <sup>3</sup>
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/m <sup>3</sup>
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	3 mg/m³ (respirable dust)
Ethyl alcohol (64-17-		The state of the s
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018)	1900 mg/m³
Austria Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)  OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	1000 ppm 3800 mg/m <sup>3</sup>
	, ,	
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm 1907 mg/m <sup>3</sup>
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	
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
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/m <sup>3</sup>
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/m <sup>3</sup>
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
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	EC) No. 1907/2006 (REACH) With its amendment Regulation (EU)	
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	A3 - Confirmed Animal Carcinogen with Unknown Relevance to
	1796:2014)	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	OEL TLV (Legal Basis:AFS 2018:1)	1000 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	500 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	1900 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	1000 ppm
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	1920 mg/m³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	1000 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	960 mg/m³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	500 ppm
Coconut oil (8001-31-8)		
Germany	OEL TWA (Legal Basis:TRGS 900)	5 mg/m³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	5 mg/m³ (inhalable dust)
Dipentene (138-86-3)		
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	150 mg/m³
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	25 ppm
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	300 mg/m³
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	50 ppm
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	150 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	2E nnm
	022 1 W// (20gar basis: 11 25:2011)	25 ppm
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	300 mg/m <sup>3</sup>
Lithuania Lithuania		
-	OEL STEL (Legal Basis:HN 23:2011)	300 mg/m³
Lithuania	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684)	300 mg/m³ 50 ppm
Lithuania Lithuania	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin
Lithuania Lithuania Norway	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³
Lithuania Lithuania Norway Norway	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm
Lithuania Lithuania Norway Norway	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated)
Lithuania Lithuania Norway Norway Norway Norway	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated)
Lithuania Lithuania Norway Norway Norway Norway Norway Norway	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance
Lithuania Lithuania Norway Norway Norway Norway Norway Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:A-N 684) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm 300 mg/m³
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden Sweden Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:HN 23:2011) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL Chemical Category (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm 300 mg/m³ 50 ppm
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden Sweden Sweden Sweden Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:HN 23:2011) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL Chemical Category (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm 300 mg/m³ 50 ppm
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden Sweden Sweden Sweden Sweden Sweden Sweden Sweden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:HN 23:2011) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) OEL TLV (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL STEL (Legal Basis:AFS 2018:1) OEL Chemical Category (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm 300 mg/m³ 50 ppm Sensitizer
Lithuania Lithuania Norway Norway Norway Norway Sweden Sweden Sweden Sweden Sweden Sweden Sweden Sheden Sweden Sheden Sheden Sheden Sheden	OEL STEL (Legal Basis:HN 23:2011) OEL STEL (Legal Basis:HN 23:2011) OEL Chemical Category (Legal Basis:HN 23:2011) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL TWA (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL STEL (Legal Basis:FOR-2020-04-06-695) OEL Chemical Category (Legal Basis:FOR-2020-04-06-695) OEL TLV (Legal Basis:AFS 2018:1) 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:AFS 2018:1) OEL Chemical Category (Legal Basis:AFS 2018:1) OEL Chemical Category (Legal Basis:AFS 2018:1)	300 mg/m³ 50 ppm Sensitizer coniferous resin sensitizes the skin 140 mg/m³ 25 ppm 175 mg/m³ (value calculated) 37,5 ppm (value calculated) Allergenic substance 150 mg/m³ 25 ppm 300 mg/m³ 50 ppm Sensitizer

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Estonia	OEL STEL (Legal Basis:Regulation No. 105)	300 mg/m <sup>3</sup>
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	50 ppm
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	20 ppm (Turpentine and selected monoterpenes)
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	150 mg/m³
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	25 ppm
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	300 mg/m³
Lithuania	OEL STEL (Legal Basis:A-N 684)	50 ppm
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	140 mg/m³
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	25 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	175 mg/m³ (value calculated)
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	37,5 ppm (value calculated)
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	20 ppm (Turpentine and selected Monoterpenes)
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen
Spain	OEL TWA (Legal Basis:OELCAIS)	113 mg/m³
Spain	OEL TWA (Legal Basis:OELCAIS)	20 ppm
Spain	OEL Chemical Category (Legal Basis:OELCAIS)	Sensitizer
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	150 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	25 ppm
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	300 mg/m³
Sweden	OEL STEL (Legal Basis:AFS 2018:1)	50 ppm
Sweden	OEL Chemical Category (Legal Basis:AFS 2018:1)	Sensitizer
Citral (5392-40-5)		
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	32 mg/m³ (vapor and aerosol)
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	5 ppm (vapor and aerosol)
Belgium	OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020)	Skin
Ireland	OEL TWA (Legal Basis:2020 COP)	5 ppm
Ireland	OEL STEL (Legal Basis:2020 COP)	15 ppm (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	5 ppm (inhalable fraction and vapor)
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	27 mg/m³
Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	54 mg/m³
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	5 ppm
Portugal	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure
Spain	OEL TWA (Legal Basis:OELCAIS)	5 ppm (inhalable fraction and vapor)
Spain	OEL Chemical Category (Legal Basis:OELCAIS)	Sensitizer, skin - potential for cutaneous absorption

# 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. Gas detectors should be used when flammable gases or vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Oxygen detectors should be used when asphixiating gases may be released.

# **Personal Protective Equipment**

: For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Respiratory protection of the dependent type. 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**

: For occupational/workplace settings: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

**Hand Protection** 

**Eye Protection** 

: For occupational/workplace settings: Wear protective gloves. If material is cold, wear thermally resistant protective gloves.

: For occupational/workplace settings: Chemical safety goggles.

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

**Respiratory Protection**: Use a NIOSH-approved self-contained breathing apparatus whenever exposure may

exceed established Occupational Exposure Limits.

**Thermal Hazard Protection** : 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 : Aerosol

Colour : No data available

Odour : Fragrant

**Odour Threshold** No data available рΗ Not applicable **Evaporation Rate** No data available **Melting Point** Not applicable **Freezing Point** : Not applicable **Boiling Point** No data available **Flash Point** No data available **Auto-Ignition Temperature** Not available **Decomposition Temperature** No data available **Flammability** No data available : No data available **Vapour Pressure** Relative Vapour Density At 20 °C : No data available

Relative Vapour Density At 20 °C: No data availableRelative Density: No data availableSolubility: No data availablePartition 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 : 93,6

Gas group : Compressed gas

# **SECTION 10: STABILITY AND REACTIVITY**

#### 10.1. Reactivity

Reacts violently with strong oxidisers. Increased risk of fire or explosion.

# 10.2. Chemical Stability

Contains gas under pressure; may explode if heated. Flammable aerosol. Pressurized container: may burst 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. Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

# 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidisers.

# 10.6. Hazardous Decomposition Products

None expected under normal conditions of use.

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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 : Inhalation
Dermal

Eye contact

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)		
LC50 Inhalation Rat	30957 mg/m³ (Exposure time: 4 h)	
Propane (74-98-6)		
LC50 Inhalation Rat	> 800000 ppm (Exposure time: 15 min)	
Ethyl alcohol (64-17-5)		
LD50 Oral Rat	10470 mg/kg	
LD50 Dermal Rat	20 ml/kg	
LC50 Inhalation Rat	124,7 mg/l/4h	
ATE CLP (dermal)	15.780,00 mg/kg bodyweight	
Coconut oil (8001-31-8)		
LD50 Oral Rat	> 5000 mg/kg	
Dipentene (138-86-3)	Dipentene (138-86-3)	
LD50 Oral Rat	5300 mg/kg	
.betaPinene (127-91-3)		
LD50 Oral Rat	> 5000 mg/kg	
LD50 Oral	4700 mg/kg	
LD50 Dermal Rabbit	> 5000 mg/kg	
Citral (5392-40-5)		
LD50 Oral Rat	4960 mg/kg	
ATE CLP (dermal)	2.250,00 mg/kg bodyweight	

Skin Corrosion/Irritation : Not classified (Based on available data, the classification criteria are not met)
Eve Damage/Irritation : Not classified (Based on available data, the classification criteria are not met)

**Respiratory or Skin Sensitization**: May cause an allergic skin reaction.

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

Symptoms/Injuries After Inhalation : In elevated concentrations may cause asphyxiation, central nervous system effects,

and increased breathing rate. Symptoms of asphyxiation include headache, dizziness, rapid breathing, increased pulse, mood changes, tremors, cyanosis, muscular weakness, narcosis, numbness of the extremities, unconsciousness and

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

death.

Symptoms/Injuries After Skin Contact

Symptoms/Injuries After Eye Contact : 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.

**Chronic Symptoms** : May produce an allergic reaction.

# 11.2. Information On Other Hazards

Based on available data this substance/the substances in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in section A 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.

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# **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
Dipentene (138-86-3)	
EC50 - Crustacea [1]	0,7 mg/l
.betaPinene (127-91-3)	
LC50 - Fish [1]	0,5 mg/l
Citral (5392-40-5)	
LC50 - Fish [1]	4,1 mg/l
EC50 - Crustacea [1]	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)

# 12.2. Persistence and Degradability

Batiste™ Naturally – Hemp and Coconut (De-Frizz SKU) (EU GHS (2020/878))		
Persistence and Degradability	Not established.	

# 12.3. Bioaccumulative Potential

Batiste™ Naturally – Hemp and Coconut (De-Frizz SKU) (EU GHS (2020/878))	
Bioaccumulative Potential	Not established.
n-Butane (106-97-8)	
Log POW	2,31 (at 20 °C (at pH 7)
Isobutane (75-28-5)	
BCF Fish 1	1,57 – 1,97
Log POW	1,09 – 2,8 (at 20 °C (at pH 7)
Propane (74-98-6)	
Log POW	1,09 (at 20 °C (at pH 7)
Ethyl alcohol (64-17-5)	
Log POW	-0,35 (at 24 °C (at pH 7.4)
Citral (5392-40-5)	
Log POW	2,76 (at 25 °C)

# 12.4. Mobility in Soil

No additional information available

# 12.5. Results of PBT and vPvB Assessment

12.5. Results of FBF and VF Assessment		
Batiste™ Naturally – Hemp and Coconut (De-Frizz SKU) (EU GHS (2020/878))		
PBT: not relevant – no registration required		
vPvB: not relevant – no registration required		
Component («_COMPOSITION%_CAS_NO&disp=value»)		
Dipentene (138-86-3)	PBT: not yet assessed	
	vPvB: not yet assessed	
.betaPinene (127-91-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

# 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.

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Dipentene (138-86-3)	Shows an adverse effect in an intact organism or its progeny, which is a change in the morphology, physiology, growth, development, reproduction or life span of an organism, system or (sub)population that results in an impairment of functional capacity, an impairment of the capacity to compensate for additional stress or an increase in susceptibility to other influences.
.betaPinene (127-91-3)	Shows an adverse effect in an intact organism or its progeny, which is a change in the morphology, physiology, growth, development, reproduction or life span of an organism, system or (sub)population that results in an impairment of functional capacity, an impairment of the capacity to compensate for additional stress or an increase in susceptibility to other influences.

# 12.7. Other Adverse Effects

**Other Information** : Avoid release to the environment.

# **SECTION 13: DISPOSAL CONSIDERATIONS**

# 13.1. Waste Treatment Methods

Product/Packaging Disposal Recommendations

: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations. Do not pierce or burn, even

after use.

**Additional Information** : Empty gas cylinders should be returned to the vendor for recycling or refilling. 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	r 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 H	lazard Class(Es)			
2.1	2.1	2.1	2.1	2.1
2	2	2	2	2
14.4. Packing Gro	oup			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environme	ntal Hazards	1		I
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

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

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; Cannabis sativa, extract; Dipentene; .beta.-Pinene

#### 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

No additional information available

#### 15.1.1.7. EC Inventory Information

n-Butane (106-97-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
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)

# Cannabis sativa, extract (89958-21-4)

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

# Coconut oil (8001-31-8)

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

#### Dipentene (138-86-3)

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

# .beta.-Pinene (127-91-3)

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

# Citral (5392-40-5)

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

# 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

# n-Butane (106-97-8) 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)

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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)

<u>Listed on the NCI (Vietnam - National Chemicals Inventory)</u>

#### 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)

#### Cannabis sativa, extract (89958-21-4)

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

Listed on the TCSI (Taiwan Chemical Substance Inventory)

# Coconut oil (8001-31-8)

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)

#### Dipentene (138-86-3)

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)

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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)

#### .beta.-Pinene (127-91-3)

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)

#### Citral (5392-40-5)

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)

# 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

# **SECTION 16: OTHER INFORMATION**

**Date of Preparation or Latest Revision** 

: 28/03/2023

**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
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.

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H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

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

Aerosol 1	On basis of test data
Skin Sens. 1A	Calculation method

# **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

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

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

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

VIF - Valeur Limite D'exposition

VME - Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulative

WEL - Workplace Exposure Limit WGK - Wassergefährdungsklasse

# **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 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

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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

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