

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 Revision Date: 14/04/2023 Date of Issue: 23/12/2019 Supersedes Date: 23/04/2021

Version: 2.0

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

1.1. **Product Identifier**

Product Form : Mixture

: Batiste™ Dry Shampoo (EU GHS(2020/878)) **Product Name**

Product Code : AR016-114

: Batiste™ Dry Shampoo Oriental; Batiste™ Dry Shampoo Nice **Synonyms**

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

1.2.2. Uses Advised Against No additional information available

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

Manufacturer Company

Church & Dwight UK Sofibel

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**

www.churchdwight.com

consumer.relationsUK@churchdwight.com www.churchdwight.com

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

Téléphone:01.49.68.41.00

(International)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

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

Aerosol 1

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

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) : 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.

This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII

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
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	5 - 10	Not classified
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
Benzyl acetate substance with national workplace exposure limit(s) (BE, DK, ES, IE, LT, LV, PT, RO)	(CAS-No.) 140-11-4 (EC-No.) 205-399-7	< 0, 1	Aquatic Chronic 3, H412
Benzoic acid substance with national workplace exposure limit(s) (DE, LV, SI, CH)	(CAS-No.) 65-85-0 (EC-No.) 200-618-2 (EC Index-No.) 607-705-00-8	< 0, 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 1, H372 Aquatic Chronic 3, H412

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).

: When symptoms occur: go into open air and ventilate suspected area. Obtain

First-Aid Measures After Inhalation

medical attention if breathing difficulty persists.

First-Aid Measures After Skin Contact : 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.

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

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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. 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 : 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, 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, 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. DO NOT fight fire when fire reaches containers. Evacuate

area.

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 dust, gas. Avoid all contact with skin, eyes, or clothing. Keep away

from heat, hot surfaces, sparks, open flames, and other ignition sources. No

smoking.

6.1.1. For Non-Emergency Personnel

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

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.

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. Eliminate ignition sources.

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.

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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 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

7.1. Precautions for Safe Handling

Additional Hazards When Processed : Asphy

: 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.

not pierce or burn, even after

Precautions for Safe Handling : Avoid prolonged contact with eyes, skin and clothing. Do not spray on an open flame or other ignition source. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not

breathe gas, dust.

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. 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.

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 (106-97-8)			
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/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	

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France		EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2	020/676
Germany	France	OEL TWA (Legal Basis:INRS ED 984)	800 ppm
Serece Del. TWA (Lorge Basses/WHSS) 2350 mg/m²	Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m³
General Off. TWA Legal Basis-Decree No. 05/2020 2350 mg/m²	Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm
Hompary	Greece	OEL TWA (Legal Basis:PWHSE)	2350 mg/m³
Number Del. TYPE (Legal Basic Decree No. 07,720) 940.0 mg/m²	Greece	OEL TWA (Legal Basis:PWHSE)	1000 ppm
Incland	Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	2350 mg/m³
Incland	Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	9400 mg/m³
Latvia OEL TWA (Legal Basis:Rop. No. 325) 300 mg/m²	Ireland	OEL TWA (Legal Basis:2020 COP)	1000 ppm (Aliphatic hydrocarbon gases - Alkanes (C1-C4))
Label	Ireland	OEL STEL (Legal Basis:2020 COP)	3000 ppm (calculated)
Norway	USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	1000 ppm (explosion hazard (Butane, isomers)
Norway	Latvia	OEL TWA (Legal Basis:Reg. No. 325)	300 mg/m³
Norway	Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	600 mg/m ³
Norway	Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	250 ppm
Poland	Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	750 mg/m³ (value calculated)
Poland OEL TWA (Legal Basis-Dz. U. 2020 Nr. 61) 3000 mg/m²	Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	312,5 ppm (value calculated)
Slovenia OEL TWA (Legal Basis:No. 79/19) 2400 mg/m² (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/m² (containing >=0.1% Butadiene) Slovenia OEL STEL (Legal Basis:No. 79/19) 4000 ppm (containing >=0.1% Butadiene) Slovenia OEL STEL (Legal Basis:No. 79/19) 4000 ppm (containing >=0.1% Butadiene) Switzerland OEL STEL (Legal Basis:OLVSNAIF) 7600 mg/m² (Butane) Switzerland OEL STEL (Legal Basis:OLVSNAIF) 3200 ppm (Butane) Switzerland OEL STEL (Legal Basis:OLVSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 3000 mg/m² (Butane) Isobutane (75-28-5) Austria OEL TWA (Legal Basis:GLUSNAIF) 3000 mg/m² (Butane (all Isomers)) Austria OEL TWA (Legal Basis:SOLUSNAIF) 3000 mg/m² (Butane (all Isomers)) Austria OEL TWA (Legal Basis:BGBI. IN 7. 254/2018) 3000 mg/m² (Butane (all Isomers)) Austria OEL TWA (Legal Basis:BGBI. IN 7. 254/2018) 3000 mg/m² (Butane both Isomers) Austria OEL TWA (Legal Basis:BGBI. IN 7. 254/2018) 3000 mg/m² (Butane both Isomers) Austria OEL TWA (Legal Basis:BGBI. IN 7. 254/2018) 3000 mg/m² (Butane both Isomers) Estonia OEL TWA (Legal Basis:BGBI. IN 7. 254/2018) 3000 mg/m² (Butane both Isomers) Estonia OEL TWA (Legal Basis:HDF-ARVOT 2020) 3000 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HTP-ARVOT 2020) 3000 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL STEL (Legal Basis:HTP-ARVOT 2020) 2400 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HTP-ARVOT 2020) 2400 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HTP-ARVOT 2020) 2400 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:NO 79/19) 2400 mg/m² (sulfocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:NO 79/19) 30	Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	1900 mg/m³
Slovenia OEL TWA (Legal Basis:No. 79/19) 5000 mg/m² (containing >=0.15% Butadiene)	Poland	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	3000 mg/m³
Slovenia OEL TWA (Legal Basis:No. 79/19) 5000 mg/m² (containing >=0.15% Butadiene)	Slovenia	OEL TWA (Legal Basis:No. 79/19)	2400 mg/m³ (containing >=0.1% Butadiene)
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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/m² (Butane) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 300 mg/m² (Butane (all isomers)) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 300 mg/m² (Butane (all isomers)) Hobbitary Austria OEL TWA (Legal Basis:BGBL II Nr. 254/2018) 300 mg/m² (Butane (all isomers)) Austria OEL TWA (Legal Basis:BGBL II Nr. 254/2018) 300 mg/m² (Butane (all isomers)) Austria OEL TWA (Legal Basis:BGBL II Nr. 254/2018) 300 mg/m² (Butane (all isomers)) Austria OEL TWA (Legal Basis:BGBL II Nr. 254/2018) 300 mg/m² (Butane both isomers) Austria OEL TWA (Legal Basis:Regulation No. 105) 1900 mg/m² (suffocating gas that displaces oxygen (Butane) Estonia OEL TWA (Legal Basis:HPP-ARVOT 2020) 200 mg/m² (suffocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HPP-ARVOT 2020) 200 mg/m² (suffocating gas that displaces oxygen (Butane) Finland OEL STEL (Legal Basis:HPP-ARVOT 2020) 200 mg/m² (su	Slovenia		
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Switzerland OEL TWA (Legal Basis:OLVSNAIF) 1900 mg/m² (Butane (all isomers)) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 800 ppm (Butane (all isomers)) Isobutane (75-28-) Austria OEL TWA (Legal Basis:BGBL II Nr. 254/2018) 1900 mg/m² (Butane (all isomers)) Austria OEL STEL (Legal Basis:BGBL II Nr. 254/2018) 800 ppm (Butane (all isomers)) Austria OEL STEL (Legal Basis:RGBL II Nr. 254/2018) 3800 mg/m² (Butane both isomers) Austria OEL TEL (Legal Basis:REgulation No. 105) 1900 mg/m³ Estonia OEL TWA (Legal Basis:Regulation No. 105) 1900 mg/m³ Estonia OEL TWA (Legal Basis:Regulation No. 105) 800 ppm Finland OEL TWA (Legal Basis:HP-ARVOT 2020) 1900 mg/m³ (suffocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HP-ARVOT 2020) 2400 mg/m³ (Butane) Finland OEL TWA (Legal Basis:HP-ARVOT 2020) 1000 ppm (Butane) Germany OEL TWA (Legal Basis:HP-ARVOT 2020) 1000 ppm (Butane) Germany OEL TWA (Legal Basis:NO. 79/19) 1000 ppm USA ACGIH OEL TWA (Legal Basis:NO. 79/19) 1000 ppm Slovenia	Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7600 mg/m³ (Butane)
Switzerland OEL TWA (Legal Basis:OLVSNAIF) 800 ppm (Butane (all isomers)) Isobutane (75-28-5) Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1900 mg/m² (Butane (all isomers)) Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 800 ppm (Butane loth isomers) Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3800 mg/m³ (Butane both isomers) Estonia OEL TWA (Legal Basis:Regulation No. 105) 1900 mg/m³ Estonia OEL TWA (Legal Basis:Regulation No. 105) 800 ppm Estonia 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 (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:MOFN1) 1000 ppm (Butane) Germany OEL TWA (Legal Basis:MOFN1) 1000 ppm (Butane) Slovenia OEL TWA (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL TWA (Legal Basis:NO. 79/19) 1000 ppm Slovenia OEL STEL (Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)
Subutane (75-28-5)	Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m³ (Butane (all isomers))
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:BGBL 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: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) 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:RGS 900) 1000 ppm (Butane) Germany OEL TWA (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL STEL (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL STEL (Legal Basis:NO. 79/19) 9600 mg/m³ <th< th=""><th>Switzerland</th><th>OEL TWA (Legal Basis:OLVSNAIF)</th><th>800 ppm (Butane (all isomers))</th></th<>	Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	800 ppm (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/m² (Butane both isomers) Austria OEL STEL (Legal Basis:RGBI. 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:HTP-ARVOT 2020) 1900 mg/m³ (suffocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ (Butane) Finland OEL STEL (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ (Butane) Finland OEL STEL (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ (Butane) Finland OEL STEL (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ (Butane) Germany OEL TWA (Legal Basis:TRGS 900) 2400 mg/m³ Germany OEL TWA (Legal Basis:TRGS 900) 1000 ppm USA AGGIH OEL STEL (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL TWA (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL STEL (Legal Basis:NO. 79/19) 9600 mg/m³ Switzerland OEL STEL (Legal Basis:OLVSNAIF) 7600 mg/m³ (Including Butane	Isobutane (75-28-5)		
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 OEL TWA (Legal Basis: Regulation No. 105) 800 ppm Finland OEL TWA (Legal Basis: HTP-ARVOT 2020) 1900 mg/m³ (Butane) (suffocating gas that displaces oxygen (Butane) Finland OEL TWA (Legal Basis: HTP-ARVOT 2020) 2400 mg/m³ (Butane) Finland OEL STEL (Legal Basis: HTP-ARVOT 2020) 2400 mg/m³ (Butane) Germany OEL TWA (Legal Basis: HTP-ARVOT 2020) 2400 mg/m³ Germany OEL TWA (Legal Basis: HTP-ARVOT 2020) 2400 mg/m³ Germany OEL TWA (Legal Basis: HTP-ARVOT 2020) 1000 ppm (Butane) USA ACGIH OEL STEL (Legal Basis: NG 5900) 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) 9600 mg/m³ Slovenia OEL STEL (Legal Basis: NO. 79/19) 4000 ppm Switzerland OEL STEL (Legal Basis: NO. 79/19) 40	Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m³ (Butane (all 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 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:No.79/19) 2400 mg/m³ Slovenia OEL TWA (Legal Basis:No.79/19) 1000 ppm Slovenia OEL TYL (Legal Basis:No.79/19) 1000 ppm Slovenia OEL STEL (Legal Basis:No.79/19) 4000 ppm Switzerland OEL STEL (Legal Basis:OLVSNAIF) 7600 mg/m³ (Butane) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 3200 ppm (Including Butane (all isomers)	Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	800 ppm (Butane (all isomers))
Estonia OEL TWA (Legal Basis:Regulation No. 105) 1900 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 (Butane) Finland OEL TYMA (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:NO.79/19) 2400 mg/m³ Slovenia OEL TWA (Legal Basis:NO.79/19) 2400 mg/m³ 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 TWA (Legal Basis:OLVSNAIF) 3200 ppm (Including Butane (all isomers) Switzerland OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Au	Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3800 mg/m³ (Butane both isomers)
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 (Butane) Finland OEL STEL (Legal Basis:HTP-ARVOT 2020) 1000 ppm (Butane) Germany OEL TWA (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ Germany OEL TWA (Legal Basis:ROS 900) 2400 mg/m³ USA ACGIH OEL STEL (Legal Basis:MDFN1) 1000 ppm Slovenia OEL TWA (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL TWA (Legal Basis:NO. 79/19) 2400 mg/m³ Slovenia OEL TWE, Legal Basis:NO. 79/19) 4000 ppm Slovenia OEL STEL (Legal Basis:OLVSNAIF) 7600 mg/m³ (Butane) Switzerland OEL STEL (Legal Basis:OLVSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 800 ppm (including Butane (all isomers) Switzerland OEL TWA (Legal Basis:OLVSNAIF) 800 ppm (including Butane (all isomers) <t< th=""><th>Austria</th><th>OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)</th><th>1600 ppm (Butane both isomers)</th></t<>	Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	1600 ppm (Butane both isomers)
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:MDFN1) 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:No. 79/19) 4000 ppm Switzerland OEL STEL (Legal Basis:No. 79/19) 3700 ppm (Butane) Switzerland OEL STEL (Legal Basis:OLYSNAIF) 3200 ppm (Butane) Switzerland OEL STEL (Legal Basis:OLYSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLYSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLYSNAIF) 800 ppm (including Butane (all isomers) Fropane (74-98-6) Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Belgium 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	Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1900 mg/m³
FinlandOEL TWA (Legal Basis:HTP-ARVOT 2020)800 ppm (suffocating gas that displaces oxygen (Butane)FinlandOEL STEL (Legal Basis:HTP-ARVOT 2020)2400 mg/m³ (Butane)FinlandOEL STEL (Legal Basis:HTP-ARVOT 2020)1000 ppm (Butane)GermanyOEL TWA (Legal Basis:TRGS 900)2400 mg/m³GermanyOEL TWA (Legal Basis:TRGS 900)1000 ppmUSA ACGIHOEL STEL (Legal Basis:MOFN1)1000 ppm (explosion hazard (Butane, isomers)SloveniaOEL TWA (Legal Basis:NO. 79/19)2400 mg/m³SloveniaOEL TWA (Legal Basis:NO. 79/19)1000 ppmSloveniaOEL STEL (Legal Basis:NO. 79/19)9600 mg/m³SloveniaOEL STEL (Legal Basis:NO. 79/19)4000 ppmSwitzerlandOEL STEL (Legal Basis:OLVSNAIF)7600 mg/m³ (Butane)SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)300 ppm (including Butane (all isomers)SwitzerlandOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1800 mg/m³ (Including Butane (all isomers)Propane (74-98-6)4800 mg/m³3600 mg/m³AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)3600 mg/m³BelgiumOEL TWA (Legal Basis:Reg. No. 13/10)1000 ppmBelgiumOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³Denmark <th>Estonia</th> <th>OEL TWA (Legal Basis:Regulation No. 105)</th> <th>800 ppm</th>	Estonia	OEL TWA (Legal Basis:Regulation No. 105)	800 ppm
Finland DEL STEL (Legal Basis:HTP-ARVOT 2020) 2400 mg/m³ (Butane) Finland DEL STEL (Legal Basis:HTP-ARVOT 2020) 1000 ppm (Butane) Germany DEL TWA (Legal Basis:TRGS 900) 2400 mg/m³ Germany DEL TWA (Legal Basis:TRGS 900) 1000 ppm (explosion hazard (Butane, isomers) USA ACGIH DEL TWA (Legal Basis:No. 79/19) 2400 mg/m³ Slovenia DEL TWA (Legal Basis:No. 79/19) 2400 mg/m³ Slovenia DEL STEL (Legal Basis:No. 79/19) 9600 mg/m³ Slovenia DEL STEL (Legal Basis:No. 79/19) 9600 mg/m³ Slovenia DEL STEL (Legal Basis:No. 79/19) 4000 ppm Switzerland DEL STEL (Legal Basis:OLVSNAIF) 7600 mg/m³ (Butane) Switzerland DEL STEL (Legal Basis:OLVSNAIF) 3200 ppm (Butane) Switzerland DEL TWA (Legal Basis:SDLVSNAIF) 1900 mg/m³ (including Butane (all isomers) Switzerland DEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria DEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria DEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria DEL STEL (Legal	Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m³ (suffocating gas that displaces oxygen (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:RGS 900) 1000 ppm USA ACGIH OEL STEL (Legal Basis:MDFN1) 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 Silverland 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:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. I	Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen (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 STEL (Legal Basis:No. 79/19) 1000 ppm Slovenia OEL STEL (Legal Basis:No. 79/19) 4000 ppm Switzerland 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:SOLVSNAIF) 1900 mg/m³ (including Butane (all isomers) Switzerland OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:ROyal Decree 21/01/2020) 1000 ppm (gas) Belgium	Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2400 mg/m³ (Butane)
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:OLYSNAIF) 7600 mg/m³ (Butane) Switzerland OEL STEL (Legal Basis:OLYSNAIF) 3200 ppm (Butane) Switzerland OEL TWA (Legal Basis:OLYSNAIF) 1900 mg/m³ (including Butane (all isomers) Switzerland OEL TWA (Legal Basis:OLYSNAIF) 800 ppm (including Butane (all isomers) Switzerland OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL TWA (Legal Basis:RGBI. II Nr. 254/2018) 3600 mg/m³ Belgium OEL TWA (Legal Basis:Royal Decree 21/01/2020) 1000 ppm (gas) Bulg	Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1000 ppm (Butane)
USA AGGIHOEL STEL (Legal Basis:IMDFN1)1000 ppm (explosion hazard (Butane, isomers)SloveniaOEL TWA (Legal Basis:No. 79/19)2400 mg/m³SloveniaOEL TWA (Legal Basis:No. 79/19)1000 ppmSloveniaOEL STEL (Legal Basis:No. 79/19)9600 mg/m³SloveniaOEL STEL (Legal Basis:No. 79/19)4000 ppmSwitzerlandOEL STEL (Legal Basis:OLVSNAIF)7600 mg/m³ (Butane)SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)1900 mg/m³ (including Butane (all isomers)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)800 ppm (including Butane (all isomers)Propane (74-98-6)4000 ppmAustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1800 mg/m³AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)2000 ppmBelgiumOEL TWA (Legal Basis:Royal Decree 21/01/2020)1000 ppm (gas)BulgariaOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³DenmarkOEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)1800 mg/m³	Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m³
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) 800 ppm (including Butane (all isomers) Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:Royal Decree 21/01/2020) 1000 ppm (gas) Belgium OEL TWA (Legal Basis:Royal Decree 21/01/2020) 1000 ppm (gas) Bulgaria OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020) 1800 mg/m³	Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm
SloveniaOEL TWA (Legal Basis:No. 79/19)1000 ppmSloveniaOEL STEL (Legal Basis:No. 79/19)9600 mg/m³SloveniaOEL STEL (Legal Basis:No. 79/19)4000 ppmSwitzerlandOEL STEL (Legal Basis:OLVSNAIF)7600 mg/m³ (Butane)SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)1900 mg/m³ (including Butane (all isomers)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)800 ppm (including Butane (all isomers)Propane (74-98-6)AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1800 mg/m³AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)2000 ppmBelgiumOEL STEL (Legal Basis:Royal Decree 21/01/2020)1000 ppm (gas)BulgariaOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³DenmarkOEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)1800 mg/m³	USA ACGIH	OEL STEL (Legal Basis:IMDFN1)	1000 ppm (explosion hazard (Butane, isomers)
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:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. 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	Slovenia	OEL TWA (Legal Basis:No. 79/19)	2400 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:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. 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	Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm
SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)7600 mg/m³ (Butane)SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)1900 mg/m³ (including Butane (all isomers)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)800 ppm (including Butane (all isomers)Propane (74-98-6)AustriaOEL TWA (Legal Basis:BGBl. II Nr. 254/2018)1800 mg/m³AustriaOEL TWA (Legal Basis:BGBl. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBl. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBl. II Nr. 254/2018)2000 ppmBelgiumOEL TWA (Legal Basis:Royal Decree 21/01/2020)1000 ppm (gas)BulgariaOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³DenmarkOEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)1800 mg/m³	Slovenia	OEL STEL (Legal Basis:No. 79/19)	9600 mg/m³
SwitzerlandOEL STEL (Legal Basis:OLVSNAIF)3200 ppm (Butane)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)1900 mg/m³ (including Butane (all isomers)SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)800 ppm (including Butane (all isomers)Propane (74-98-6)AustriaOEL TWA (Legal Basis:BGBl. II Nr. 254/2018)1800 mg/m³AustriaOEL TWA (Legal Basis:BGBl. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBl. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBl. II Nr. 254/2018)2000 ppmBelgiumOEL TWA (Legal Basis:Royal Decree 21/01/2020)1000 ppm (gas)BulgariaOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³DenmarkOEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)1800 mg/m³	Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm
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:BGBI. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBI. II Nr. 254/2018) 3600 mg/m³ Austria OEL STEL (Legal Basis:BGBI. 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	Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7600 mg/m³ (Butane)
SwitzerlandOEL TWA (Legal Basis:OLVSNAIF)800 ppm (including Butane (all isomers)Propane (74-98-6)AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1800 mg/m³AustriaOEL TWA (Legal Basis:BGBI. II Nr. 254/2018)1000 ppmAustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)3600 mg/m³AustriaOEL STEL (Legal Basis:BGBI. II Nr. 254/2018)2000 ppmBelgiumOEL TWA (Legal Basis:Royal Decree 21/01/2020)1000 ppm (gas)BulgariaOEL TWA (Legal Basis:Reg. No. 13/10)1800 mg/m³DenmarkOEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)1800 mg/m³	Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)
Propane (74-98-6) Austria OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) 3600 mg/m³ 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	Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m³ (including Butane (all isomers)
Austria OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) 1800 mg/m³ Austria OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) 3600 mg/m³ 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	Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	800 ppm (including Butane (all isomers)
Austria OEL TWA (Legal Basis:BGBl. II Nr. 254/2018) 1000 ppm Austria OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) 3600 mg/m³ 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	Propane (74-98-6)		
Austria OEL STEL (Legal Basis:BGBl. II Nr. 254/2018) 3600 mg/m³ 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	Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1800 mg/m³
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	Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1000 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	Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3600 mg/m ³
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	Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm
Denmark OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020) 1800 mg/m³	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) 1000 ppm	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

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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/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: Ortogaese North Nr. 1750:2014)	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) OEL STEL (Legal Basis:Gov. Dec. No 1.218)	1000 mg/m
	† · · · · · · · · · · · · · · · · · · ·	1800 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	7200 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7200 mg/m ³
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	4000 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1800 mg/m ³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1000 ppm
Starch (9005-25-8)		
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	10 mg/m ³
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 ³
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	3 mg/m³ (respirable dust)
Ethyl alcohol (64-17-5)		1900 mg/m³
Austria	OEL TWA (Legal Basis:BGBL II Nr. 254/2018)	1900 mg/m³
Austria	OEL TWA (Legal Basis:BGBI. II Nr. 254/2018) OEL STEL (Legal Basis:BGBI. II Nr. 254/2018)	1000 ppm
Austria		3800 mg/m³
Austria	OEL STEL (Legal Basis:BGBI. 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/m ³

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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/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	OEL TLV (Legal Basis:AFS 2018:1)	1000 mg/m³
Sweden	OEL TLV (Legal Basis:AFS 2018:1)	500 ppm

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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
Benzyl acetate (140	0-11-4)	
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	62 mg/m³
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	10 ppm
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	61 mg/m³
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/m ³
Spain	OEL TWA (Legal Basis:OELCAIS)	10 ppm
Benzoic acid (65-85	i-0)	
Germany	OEL TWA (Legal Basis:TRGS 900)	0,5 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)	0,1 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	OEL Chemical Category (Legal Basis:TRGS 900)	Skin notation
Latvia	OEL TWA (Legal Basis:Reg. No. 325)	5 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	0,5 mg/m³
Slovenia	OEL TWA (Legal Basis:No. 79/19)	0,1 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	2 mg/m³
Slovenia	OEL STEL (Legal Basis:No. 79/19)	0,4 ppm
Slovenia	OEL Chemical Category (Legal Basis:No. 79/19)	Potential for cutaneous absorption
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	4 mg/m³ (aerosol, respirable dust, vapour) 20 mg/m³ (aerosol, inhalable dust, vapour)
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	0,8 ppm (aerosol, vapour)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1 mg/m³ (Alkali benzoates-aerosol, respirable dust, vapour) 10 mg/m³ (Alkali benzoates-aerosol, inhalable dust, vapour)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	0,2 ppm (Alkali benzoates-aerosol, vapour)
Switzerland	OEL Chemical Category (Legal Basis:OLVSNAIF)	Skin notation

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.

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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 : For occupational/workplace settings: Chemically resistant materials and fabrics.

Wear fire/flame resistant/retardant clothing.

Hand Protection : For occupational/workplace settings: Wear protective gloves. If material is cold,

wear thermally resistant protective gloves.

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

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

Respiratory Protection : 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, aerosol.

Colour : Colourless

Odour : Comparable to reference

Odour Threshold : No data available рΗ Not applicable **Evaporation Rate** No data available : Not applicable **Melting Point Freezing Point** : Not applicable **Boiling Point** : No data available No data available Flash Point **Auto-Ignition Temperature** Not available **Decomposition Temperature** No data available **Flammability** : No data available

Vapour Pressure: No data availableRelative Vapour Density At 20 °C: No data availableRelative Density: No data availableSolubility: Insoluble in water.Partition Coefficient n-Octanol/Water: No data availableViscosity: 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 : 92,19

Gas Group : Compressed gas

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

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

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10.2. Chemical Stability

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, 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

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

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 11: TOXICOLOGICAL INFO	
11.1. Information On Hazard Classes Likely Routes of Exposure	: As Defined In Regulation (Ec) No 1272/2008 : Dermal
Likely Routes of Exposure	Inhalation
	Eve contact
Acute Toxicity (Oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute Toxicity (Oran) 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
Benzyl acetate (140-11-4)	
LD50 Oral Rat	2490 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
Benzoic acid (65-85-0)	
LD50 Oral	2530 mg/kg
LD50 Dermal Rabbit	> 10000 mg/kg
LC50 Inhalation Rat	> 12,2 mg/l/4h
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)
Benzyl acetate (140-11-4)	
IARC Group	3
Reproductive Toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific Target Organ Toxicity (Single	: Not classified (Based on available data, the classification criteria are not met)
Exposure)	
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	: Prolonged exposure may cause irritation. 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/Injuries After Skin Contact Symptoms/Injuries After Eye Contact	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.

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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 : None expected under normal conditions of use.

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.

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)	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	
Benzoic acid (65-85-0)		
LC50 - Fish [1]	44,6 mg/l	
EC50 - Crustacea [1]	860 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	

12.2. Persistence and Degradability

Batiste™ Dry Shampoo (EU GHS(2020/878))		
	Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

Batiste™ Dry Shampoo (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)	
Benzyl acetate (140-11-4)		
Log POW	1,96 (at 25 °C (at pH 7)	
Benzoic acid (65-85-0)		
Log POW	1,88	

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB Assessment

Does not contain any PBT/vPvB substances >= 0.1% assessed in accordance with REACH Annex XVIII

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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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, and

Recommendations international regulations. Do not pierce or burn, even after use.

Additional Information : 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 Number or ID Number						
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950		
14.2. UN Proper Shi	14.2. UN Proper Shipping Name					
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS		
14.3. Transport Haza	14.3. Transport Hazard Class					
2.1	2.1	2.1	2.1	2.1		
***	2	2	2	2		
14.4. Packing Group						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental 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:

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

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

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

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)

Benzyl acetate (140-11-4)

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

Benzoic acid (65-85-0)

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)

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)

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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)

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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)

Benzoic acid (65-85-0)

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)

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 : 14/04/2023

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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 Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Eye Dam. 1	Serious eye damage/eye irritation, 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.		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H372	Causes damage to organs through prolonged or repeated exposure.		
H412	Harmful 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		
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1		

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

Aerosol 1	On basis of test data
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Indication of Changes

Section	Change	Date Changed	Version
1, 2, 3, 8, 9, 11, 15	Modified	14/04/2023	2.0

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

EC50 - Median Effective Concentration EEC – European Economic Community

 ${\tt EINECS-European\ Inventory\ of\ Existing\ Commercial\ Chemical\ Substances}$

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

NDS - Naiwyzsze 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

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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

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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 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.

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

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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

Italy - IMDFN1 - Ministerial Decree of August 20, 1999 Final Note (1)
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. 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.

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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.

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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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