



# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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

### 1.1. Product Identifier

Product Form	: Mixture
Product Name	: Batiste™ Dry Shampoo (EU GHS (2020/878))
Product Code	: ASM038-068
Synonyms	: Batiste™ Eden Bloom; Batiste™ Luxe; Batiste™ Happy 90s; Batiste™ Electrify

### 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	: Leave on Hair Product
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#### 1.2.2. Uses Advised Against

No additional information available

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

#### Company

Church & Dwight UK  
Wear Bay Road, CT19 6PG  
Folkestone, Kent – United Kingdom  
+ 44 0800 121 6080 (Mon - Friday 9am - 4:30pm)

[www.churchdwight.com](http://www.churchdwight.com)

[consumer.relationsUK@churchdwight.com](mailto:consumer.relationsUK@churchdwight.com)

#### Company

Sofibel  
110-114 RUE VICTOR HUGO  
92300 LEVALLOIS PERRET  
FRANCE

Téléphone :01.49.68.41.00

[www.churchdwight.com](http://www.churchdwight.com)

### 1.4. Emergency Telephone Number

Emergency Number	: 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)
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## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

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

Aerosol 1 H222;H229

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

### 2.2. Label Elements

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

Hazard Pictograms (CLP)



GH502

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.

### 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.

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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
D-Limonene substance with national workplace exposure limit(s) (DE, ES, FI, SI, NO, CH)	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7;601-096-00-2	0,003 – 0,007	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
.beta.-Pinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	(CAS-No.) 127-91-3 (EC-No.) 204-872-5;242-060-2	0,000339 – 0,00135	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	0,0001– 0,001	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
.alpha.-Pinene substance with national workplace exposure limit(s) (BE, EE, ES, LT, PT, SE, NO)	(CAS-No.) 80-56-8 (EC-No.) 201-291-9	0,0001 – 0,0003	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

#### First-Aid Measures General

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

#### First-Aid Measures After Inhalation

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

#### First-Aid Measures After Skin Contact

: 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,

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

	incorrect first-aid practices will aggravate the injury. Protect affected area with a loose cover until proper medical treatment is received.
<b>First-Aid Measures After Eye Contact</b>	: 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.
<b>First-Aid Measures After Ingestion</b>	: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
<b>4.2. Most Important Symptoms and Effects Both Acute and Delayed</b>	
<b>Symptoms/Effects</b>	: Contact with gas escaping the container can cause frostbite. Asphyxia by lack of oxygen: risk of death.
<b>Symptoms/Effects After Inhalation</b>	: 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.
<b>Symptoms/Effects After Skin Contact</b>	: Contact with gas escaping the container can cause frostbite and freeze burns.
<b>Symptoms/Effects After Eye Contact</b>	: Contact with gas escaping the container can cause frostbite, freeze burns, and permanent eye damage.
<b>Symptoms/Effects After Ingestion</b>	: Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite.
<b>Chronic Symptoms</b>	: 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

<b>Suitable Extinguishing Media</b>	: Water spray, fog, carbon dioxide (CO <sub>2</sub> ), alcohol-resistant foam, dry chemical, or sand.
<b>Unsuitable Extinguishing Media</b>	: 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

<b>Fire Hazard</b>	: Flammable aerosol.
<b>Explosion Hazard</b>	: Container may explode in heat of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
<b>Reactivity</b>	: Reacts violently with strong oxidisers. Increased risk of fire or explosion.
<b>Hazardous Combustion Products</b>	: Carbon oxides (CO, CO <sub>2</sub> ). Smoke.

### 5.3. Advice for Firefighters

<b>Precautionary Measures Fire</b>	: Exercise caution when fighting any chemical fire.
<b>Firefighting Instructions</b>	: 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.
<b>Protection During Firefighting</b>	: 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

<b>General Measures</b>	: 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.
<b>6.1.1. For Non-Emergency Personnel</b>	
<b>Protective Equipment</b>	: Use appropriate personal protective equipment (PPE).
<b>Emergency Procedures</b>	: Evacuate unnecessary personnel. Stop leak if safe to do so.
<b>6.1.2. For Emergency Responders</b>	
<b>Protective Equipment</b>	: Equip cleanup crew with proper protection.
<b>Emergency Procedures</b>	: 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.

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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

#### For Containment

: Stop leak, if possible without risk. As an immediate precautionary measure, isolate spill or leak area in all directions.

#### Methods for Cleaning Up

: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse 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

: Asphyxiating gas at high concentrations. Product dust is combustible. Do not pressurize, cut, or weld containers. Pressurised container: May burst if heated. Do not pierce or burn, even after use.

#### Precautions for Safe Handling

: Avoid prolonged contact with eyes, skin and clothing. Do not breathe dust, gas. 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.

#### 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/m <sup>3</sup> (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/m <sup>3</sup>
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	1600 ppm
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	2370 mg/m <sup>3</sup>
Belgium	OEL STEL (Legal Basis:Royal Decree 21/01/2020)	980 ppm
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1900 mg/m <sup>3</sup>
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1450 mg/m <sup>3</sup> 22 mg/m <sup>3</sup> (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/m <sup>3</sup>
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	500 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1500 mg/m <sup>3</sup>
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	800 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m <sup>3</sup> (suffocating gas that displaces oxygen (Butane))
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen (Butane))

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

n-Butane (106-97-8)		
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2400 mg/m <sup>3</sup>
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1000 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	1900 mg/m <sup>3</sup>
France	OEL TWA (Legal Basis:INRS ED 984)	800 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m <sup>3</sup>
Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm
Greece	OEL TWA (Legal Basis:PWHE)	2350 mg/m <sup>3</sup>
Greece	OEL TWA (Legal Basis:PWHE)	1000 ppm
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	2350 mg/m <sup>3</sup>
Hungary	OEL STEL (Legal Basis:Decree No. 05/2020)	9400 mg/m <sup>3</sup>
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	OEL TWA (Legal Basis:Reg. No. 325)	300 mg/m <sup>3</sup>
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	600 mg/m <sup>3</sup>
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	250 ppm
Norway	OEL STEL (Legal Basis:FOR-2020-04-06-695)	750 mg/m <sup>3</sup> (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/m <sup>3</sup>
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/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup> (Butane)
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup> (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/m <sup>3</sup>
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	800 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m <sup>3</sup> (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/m <sup>3</sup> (Butane)
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1000 ppm (Butane)
Germany	OEL TWA (Legal Basis:TRGS 900)	2400 mg/m <sup>3</sup>
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/m <sup>3</sup>
Slovenia	OEL TWA (Legal Basis:No. 79/19)	1000 ppm
Slovenia	OEL STEL (Legal Basis:No. 79/19)	9600 mg/m <sup>3</sup>
Slovenia	OEL STEL (Legal Basis:No. 79/19)	4000 ppm
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	7600 mg/m <sup>3</sup> (Butane)
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	3200 ppm (Butane)
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1900 mg/m <sup>3</sup> (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/m <sup>3</sup>
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1000 ppm
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3600 mg/m <sup>3</sup>
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

Propane (74-98-6)		
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1000 ppm (gas)
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1800 mg/m <sup>3</sup>
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1800 mg/m <sup>3</sup>
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1000 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1800 mg/m <sup>3</sup>
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1000 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1500 mg/m <sup>3</sup> (suffocating gas that displaces oxygen)
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	800 ppm (suffocating gas that displaces oxygen)
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2000 mg/m <sup>3</sup>
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1100 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	1800 mg/m <sup>3</sup>
Germany	OEL TWA (Legal Basis:TRGS 900)	1000 ppm
Greece	OEL TWA (Legal Basis:PWHE)	1800 mg/m <sup>3</sup>
Greece	OEL TWA (Legal Basis:PWHE)	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/m <sup>3</sup>
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/m <sup>3</sup> (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/m <sup>3</sup>
Switzerland	OEL STEL (Legal Basis:OLVSNAIF)	4000 ppm
Switzerland	OEL TWA (Legal Basis:OLVSNAIF)	1800 mg/m <sup>3</sup>
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 <sup>3</sup>
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	10 mg/m <sup>3</sup> (dust, inhalable fraction (Plant origin dust)
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	4 mg/m <sup>3</sup> (respirable dust) 10 mg/m <sup>3</sup> (total dust, inhalable particles)
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	4 mg/m <sup>3</sup> (dust)
Greece	OEL TWA (Legal Basis:PWHE)	10 mg/m <sup>3</sup> (inhalable fraction) 5 mg/m <sup>3</sup> (respirable fraction)
Ireland	OEL TWA (Legal Basis:2020 COP)	10 mg/m <sup>3</sup> (total inhalable dust) 4 mg/m <sup>3</sup> (respirable dust)
Ireland	OEL STEL (Legal Basis:2020 COP)	30 mg/m <sup>3</sup> (calculated-respirable dust (Borates) 12 mg/m <sup>3</sup> (calculated)
USA ACGIH	OEL TWA (Legal Basis:IMDFN1)	10 mg/m <sup>3</sup>
Portugal	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	10 mg/m <sup>3</sup>
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/m <sup>3</sup> (respirable dust)
Ethyl alcohol (64-17-5)		
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1900 mg/m <sup>3</sup>
Austria	OEL TWA (Legal Basis:BGBl. II Nr. 254/2018)	1000 ppm

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

Ethyl alcohol (64-17-5)		
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	3800 mg/m <sup>3</sup>
Austria	OEL STEL (Legal Basis:BGBl. II Nr. 254/2018)	2000 ppm
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1907 mg/m <sup>3</sup>
Belgium	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	1000 ppm
Bulgaria	OEL TWA (Legal Basis:Reg. No. 13/10)	1000 mg/m <sup>3</sup>
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1900 mg/m <sup>3</sup>
Croatia	OEL TWA (Legal Basis:OG No. 91/2018)	1000 ppm
Czech Republic	OEL TWA (Legal Basis:Reg. 41/2020)	1000 mg/m <sup>3</sup>
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1900 mg/m <sup>3</sup>
Denmark	OEL TWA (Legal Basis:BEK No. 698 of 28/05/2020)	1000 ppm
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	1000 mg/m <sup>3</sup>
Estonia	OEL TWA (Legal Basis:Regulation No. 105)	500 ppm
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	1900 mg/m <sup>3</sup>
Estonia	OEL STEL (Legal Basis:Regulation No. 105)	1000 ppm
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1900 mg/m <sup>3</sup>
Finland	OEL TWA (Legal Basis:HTP-ARVOT 2020)	1000 ppm
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	2500 mg/m <sup>3</sup>
Finland	OEL STEL (Legal Basis:HTP-ARVOT 2020)	1300 ppm
France	OEL STEL (Legal Basis:INRS ED 984)	9500 mg/m <sup>3</sup>
France	OEL STEL (Legal Basis:INRS ED 984)	5000 ppm
France	OEL TWA (Legal Basis:INRS ED 984)	1900 mg/m <sup>3</sup>
France	OEL TWA (Legal Basis:INRS ED 984)	1000 ppm
Germany	OEL TWA (Legal Basis:TRGS 900)	380 mg/m <sup>3</sup> (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:PWHE)	1900 mg/m <sup>3</sup>
Greece	OEL TWA (Legal Basis:PWHE)	1000 ppm
Hungary	OEL TWA (Legal Basis:Decree No. 05/2020)	1900 mg/m <sup>3</sup>
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/m <sup>3</sup>
Lithuania	OEL TWA (Legal Basis:HN 23:2011)	500 ppm
Lithuania	OEL STEL (Legal Basis:HN 23:2011)	1900 mg/m <sup>3</sup>
Lithuania	OEL STEL (Legal Basis:A-N 684)	1000 ppm
Netherlands	OEL TWA (Legal Basis:OWCRLV)	260 mg/m <sup>3</sup>
Netherlands	OEL STEL (Legal Basis:OWCRLV)	1900 mg/m <sup>3</sup>
Netherlands	OEL Chemical Category (Legal Basis:OWCRLV)	Skin notation
Norway	OEL TWA (Legal Basis:FOR-2020-04-06-695)	950 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)	1187,5 mg/m <sup>3</sup> (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/m <sup>3</sup>
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/m <sup>3</sup>
Romania	OEL TWA (Legal Basis:Gov. Dec. No 1.218)	1000 ppm
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	9500 mg/m <sup>3</sup>
Romania	OEL STEL (Legal Basis:Gov. Dec. No 1.218)	5000 ppm
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	960 mg/m <sup>3</sup>
Slovakia	OEL TWA (Legal Basis:Gov. Decree 33/2018)	500 ppm
Slovakia	OEL STEL (Legal Basis:Gov. Decree 33/2018)	1920 mg/m <sup>3</sup>
Slovenia	OEL TWA (Legal Basis:No. 79/19)	960 mg/m <sup>3</sup>
Slovenia	OEL TWA (Legal Basis:No. 79/19)	500 ppm

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

<b>Ethyl alcohol (64-17-5)</b>		
<b>Slovenia</b>	OEL STEL (Legal Basis:No. 79/19)	1920 mg/m <sup>3</sup>
<b>Slovenia</b>	OEL STEL (Legal Basis:No. 79/19)	1000 ppm
<b>Spain</b>	OEL STEL (Legal Basis:OELCAIS)	1910 mg/m <sup>3</sup>
<b>Spain</b>	OEL STEL (Legal Basis:OELCAIS)	1000 ppm
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	1000 mg/m <sup>3</sup>
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	500 ppm
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	1900 mg/m <sup>3</sup>
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	1000 ppm
<b>Switzerland</b>	OEL STEL (Legal Basis:OLVSNAIF)	1920 mg/m <sup>3</sup>
<b>Switzerland</b>	OEL STEL (Legal Basis:OLVSNAIF)	1000 ppm
<b>Switzerland</b>	OEL TWA (Legal Basis:OLVSNAIF)	960 mg/m <sup>3</sup>
<b>Switzerland</b>	OEL TWA (Legal Basis:OLVSNAIF)	500 ppm
<b>D-Limonene (5989-27-5)</b>		
<b>Finland</b>	OEL TWA (Legal Basis:HTP-ARVOT 2020)	140 mg/m <sup>3</sup>
<b>Finland</b>	OEL TWA (Legal Basis:HTP-ARVOT 2020)	25 ppm
<b>Finland</b>	OEL STEL (Legal Basis:HTP-ARVOT 2020)	280 mg/m <sup>3</sup>
<b>Finland</b>	OEL STEL (Legal Basis:HTP-ARVOT 2020)	50 ppm
<b>Germany</b>	OEL TWA (Legal Basis:TRGS 900)	28 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Germany</b>	OEL TWA (Legal Basis:TRGS 900)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
<b>Germany</b>	OEL Chemical Category (Legal Basis:TRGS 900)	Skin notation, Skin sensitization
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	140 mg/m <sup>3</sup>
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	25 ppm
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	175 mg/m <sup>3</sup> (value calculated)
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	37,5 ppm (value calculated)
<b>Norway</b>	OEL Chemical Category (Legal Basis:FOR-2020-04-06-695)	Allergenic substance
<b>Slovenia</b>	OEL TWA (Legal Basis:No. 79/19)	28 mg/m <sup>3</sup>
<b>Slovenia</b>	OEL TWA (Legal Basis:No. 79/19)	5 ppm
<b>Slovenia</b>	OEL STEL (Legal Basis:No. 79/19)	112 mg/m <sup>3</sup>
<b>Slovenia</b>	OEL STEL (Legal Basis:No. 79/19)	20 ppm
<b>Slovenia</b>	OEL Chemical Category (Legal Basis:No. 79/19)	Potential for cutaneous absorption
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	168 mg/m <sup>3</sup>
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	30 ppm
<b>Spain</b>	OEL Chemical Category (Legal Basis:OELCAIS)	Sensitizer, skin - potential for cutaneous absorption
<b>Switzerland</b>	OEL STEL (Legal Basis:OLVSNAIF)	80 mg/m <sup>3</sup>
<b>Switzerland</b>	OEL STEL (Legal Basis:OLVSNAIF)	14 ppm
<b>Switzerland</b>	OEL TWA (Legal Basis:OLVSNAIF)	40 mg/m <sup>3</sup>
<b>Switzerland</b>	OEL TWA (Legal Basis:OLVSNAIF)	7 ppm
<b>Switzerland</b>	OEL Chemical Category (Legal Basis:OLVSNAIF)	Sensitizer
<b>.beta.-Pinene (127-91-3)</b>		
<b>Belgium</b>	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	20 ppm
<b>Estonia</b>	OEL TWA (Legal Basis:Regulation No. 105)	150 mg/m <sup>3</sup>
<b>Estonia</b>	OEL TWA (Legal Basis:Regulation No. 105)	25 ppm
<b>Estonia</b>	OEL STEL (Legal Basis:Regulation No. 105)	300 mg/m <sup>3</sup>
<b>Estonia</b>	OEL STEL (Legal Basis:Regulation No. 105)	50 ppm
<b>USA ACGIH</b>	OEL TWA (Legal Basis:IMDFN1)	20 ppm (Turpentine and selected monoterpenes)
<b>Lithuania</b>	OEL TWA (Legal Basis:HN 23:2011)	150 mg/m <sup>3</sup>
<b>Lithuania</b>	OEL TWA (Legal Basis:HN 23:2011)	25 ppm
<b>Lithuania</b>	OEL STEL (Legal Basis:HN 23:2011)	300 mg/m <sup>3</sup>
<b>Lithuania</b>	OEL STEL (Legal Basis:A-N 684)	50 ppm
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	140 mg/m <sup>3</sup>
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	25 ppm
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	175 mg/m <sup>3</sup> (value calculated)
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	37,5 ppm (value calculated)
<b>Portugal</b>	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	20 ppm (Turpentine and selected Monoterpenes)



# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

<b>.beta.-Pinene (127-91-3)</b>		
<b>Portugal</b>	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	113 mg/m <sup>3</sup>
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	20 ppm
<b>Spain</b>	OEL Chemical Category (Legal Basis:OELCAIS)	Sensitizer
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	150 mg/m <sup>3</sup>
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	25 ppm
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	300 mg/m <sup>3</sup>
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	50 ppm
<b>Sweden</b>	OEL Chemical Category (Legal Basis:AFS 2018:1)	Sensitizer
<b>.alpha.-Pinene (80-56-8)</b>		
<b>Belgium</b>	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	20 ppm
<b>Estonia</b>	OEL TWA (Legal Basis:Regulation No. 105)	150 mg/m <sup>3</sup>
<b>Estonia</b>	OEL TWA (Legal Basis:Regulation No. 105)	25 ppm
<b>Estonia</b>	OEL STEL (Legal Basis:Regulation No. 105)	300 mg/m <sup>3</sup>
<b>Estonia</b>	OEL STEL (Legal Basis:Regulation No. 105)	50 ppm
<b>USA ACGIH</b>	OEL TWA (Legal Basis:IMDFN1)	20 ppm (Turpentine and selected monoterpenes)
<b>Lithuania</b>	OEL TWA (Legal Basis:HN 23:2011)	150 mg/m <sup>3</sup>
<b>Lithuania</b>	OEL TWA (Legal Basis:HN 23:2011)	25 ppm
<b>Lithuania</b>	OEL STEL (Legal Basis:HN 23:2011)	300 mg/m <sup>3</sup>
<b>Lithuania</b>	OEL STEL (Legal Basis:A-N 684)	50 ppm
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	140 mg/m <sup>3</sup>
<b>Norway</b>	OEL TWA (Legal Basis:FOR-2020-04-06-695)	25 ppm
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	175 mg/m <sup>3</sup> (value calculated)
<b>Norway</b>	OEL STEL (Legal Basis:FOR-2020-04-06-695)	37,5 ppm (value calculated)
<b>Norway</b>	OEL Chemical Category (Legal Basis:FOR-2020-04-06-695)	Skin notation
<b>Portugal</b>	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	20 ppm (Turpentine and selected Monoterpenes)
<b>Portugal</b>	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	113 mg/m <sup>3</sup>
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	20 ppm
<b>Spain</b>	OEL Chemical Category (Legal Basis:OELCAIS)	Sensitizer
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	150 mg/m <sup>3</sup>
<b>Sweden</b>	OEL TLV (Legal Basis:AFS 2018:1)	25 ppm
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	300 mg/m <sup>3</sup>
<b>Sweden</b>	OEL STEL (Legal Basis:AFS 2018:1)	50 ppm
<b>Sweden</b>	OEL Chemical Category (Legal Basis:AFS 2018:1)	Sensitizer
<b>Citral (5392-40-5)</b>		
<b>Belgium</b>	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	32 mg/m <sup>3</sup> (vapor and aerosol)
<b>Belgium</b>	OEL TWA (Legal Basis:Royal Decree 21/01/2020)	5 ppm (vapor and aerosol)
<b>Belgium</b>	OEL Chemical Category (Legal Basis:Royal Decree 21/01/2020)	Skin
<b>Ireland</b>	OEL TWA (Legal Basis:2020 COP)	5 ppm
<b>Ireland</b>	OEL STEL (Legal Basis:2020 COP)	15 ppm (calculated)
<b>USA ACGIH</b>	OEL TWA (Legal Basis:IMDFN1)	5 ppm (inhalable fraction and vapor)
<b>Poland</b>	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	27 mg/m <sup>3</sup>
<b>Poland</b>	OEL TWA (Legal Basis:Dz. U. 2020 Nr. 61)	54 mg/m <sup>3</sup>
<b>Portugal</b>	OEL TWA (Legal Basis:Portuguese Norm NP 1796:2014)	5 ppm
<b>Portugal</b>	OEL Chemical Category (Legal Basis:Portuguese Norm NP 1796:2014)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure
<b>Spain</b>	OEL TWA (Legal Basis:OELCAIS)	5 ppm (inhalable fraction and vapor)
<b>Spain</b>	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

# Batiste™ Dry Shampoo (EU GHS (2020/878))

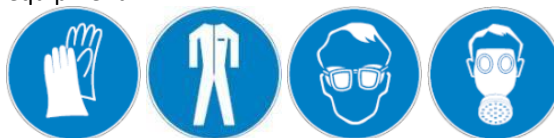
## Safety Data Sheet

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

### Personal Protective Equipment

or vapours may be released. Proper grounding procedures to avoid static electricity should be followed.

: 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. aerosol.
Odour	: Comparable to reference
Odour Threshold	: No data available
pH	: 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
Vapour Pressure	: No data available
Relative Vapour Density At 20 °C	: No data available
Relative Density	: No data available
Solubility	: Insoluble in water.
Partition Coefficient n-Octanol/Water	: No data available
Viscosity	: No data available
Explosive Properties	: Contains gas under pressure; may explode if heated.
Oxidising Properties	: No data available
Explosive Limits	: Not available
Particle Aspect Ratio	: Not applicable
Particle Aggregation State	: Not applicable
Particle Agglomeration State	: Not applicable
Particle Specific Surface Area	: Not applicable
Particle Dustiness	: Not applicable

### 9.2. Other Information

% of flammable ingredients	: 92,2
Gas Group	: Compressed gas
Gas group	: Compressed gas

Batiste™ Dry Shampoo (EU GHS (2020/878))

Safety Data Sheet

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

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

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                        |
| D-Limonene (5989-27-5)   |                                      |
| LD50 Oral Rat            | > 2000 mg/kg                         |
| LD50 Dermal Rabbit       | > 5 g/kg                             |
| .beta.-Pinene (127-91-3) |                                      |
| LD50 Oral Rat            | > 5000 mg/kg                         |
| LD50 Oral                | 4700 mg/kg                           |
| LD50 Dermal Rabbit       | > 5000 mg/kg                         |
| .alpha.-Pinene (80-56-8) |                                      |
| LD50 Oral Rat            | > 500 mg/kg                          |
| LD50 Oral                | 3700 mg/kg                           |
| LD50 Dermal Rat          | > 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)
- 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)
- |  |                              |
|--|------------------------------|
| D-Limonene (5989-27-5)                   |                              |
| IARC Group                               | 3                            |
| National Toxicology Program (NTP) Status | Evidence of Carcinogenicity. |
- 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)

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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

**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** : 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, Short-Term (Acute)** : Not classified (Based on available data, the classification criteria are not met)

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

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
D-Limonene (5989-27-5)	
LC50 - Fish [1]	0,619 (0,619 – 0,796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0,421 mg/l
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
.beta.-Pinene (127-91-3)	
LC50 - Fish [1]	0,5 mg/l
.alpha.-Pinene (80-56-8)	
LC50 - Fish [1]	0,28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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™ 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))

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

Ethyl alcohol (64-17-5)	
Log POW	-0,35 (at 24 °C (at pH 7.4)
D-Limonene (5989-27-5)	
Log POW	4,38 (at 37 °C (at pH 7.2)
.alpha.-Pinene (80-56-8)	
Log POW	4,1
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

Component («_COMPOSITION%_CAS_NO&disp=value»)	
.beta.-Pinene (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.
.beta.-Pinene (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** : Dispose of contents/container in accordance with local, regional, national, and international regulations. Do not pierce or burn, even after use.  
**Recommendations**  
**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
<b>14.1. UN Number or ID Number</b>				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN Proper Shipping Name</b>				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
<b>14.3. Transport Hazard Class(Es)</b>				
2.1	2.1	2.1	2.1	2.1
				

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

ADR	IMDG	IATA	ADN	RID
<b>14.4. Packing Group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental Hazards</b>				
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:

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Ethyl alcohol ; D-Limonene ; .beta.-Pinene ; .alpha.-Pinene
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	D-Limonene ; .beta.-Pinene ; .alpha.-Pinene ; Citral
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	D-Limonene ; .beta.-Pinene ; .alpha.-Pinene ; Citral
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 ; D-Limonene ; .beta.-Pinene ; .alpha.-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

<b>n-Butane (106-97-8)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
<b>Isobutane (75-28-5)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
<b>Propane (74-98-6)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
<b>Starch (9005-25-8)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
<b>Ethyl alcohol (64-17-5)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

### D-Limonene (5989-27-5)

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)

### .alpha.-Pinene (80-56-8)

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)  
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)

### 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)

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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)

### **D-Limonene (5989-27-5)**

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)

### **.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)

### **.alpha.-Pinene (80-56-8)**

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)

### **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



# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

### SECTION 16: OTHER INFORMATION

- Date of Preparation or Latest Revision** : 17/03/2025
- 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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
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.
H317	May cause an allergic skin reaction.
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.
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
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B

#### 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	Language modified	30/03/2021	1.1
1	Language modified	06/03/2023	1.2
1	Language modified	17/03/2025	1.3

#### 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

NDS – Najwyższe Dopuszczalne Stezenie  
NDSch – Najwyższe Dopuszczalne Stezenie Chwilowe  
NDSP – Najwyższe 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

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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 K<sub>oc</sub> - Soil Organic Carbon-water Partitioning Coefficient  
Log K<sub>ow</sub> - 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

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  
VLE – 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 amendments

**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 - BGBl. II Nr. 254/2018** - Ordinance on Limit Values for Workplace Substances and on Carcinogens from the Federal Ministry of Economics and Labour, Published in 2003, Appendix 1: Substance List, Published through: Ministry of Economics and Labour of the Republic of Austria amended through the Government Gazette II (BGBl. II) No 119/2004) & BGBl. II No. 242/2006, BGBl. II No. 243/2007, lastly changed through BGBl. I Nr. 51/2011), BGBl. II Nr. 186/2015, BGBl. II Nr. 288/2017 amended by BGBl. II Nr. 254/2018.  
**Austria - BLV BGBl. II Nr. 254/2018** - Ordinance on health monitoring at the workplace 2008, published through BGBl. II Nr. 224/2007 by Austria Minister for Labor and Social Affairs, Lastly changed through BGBl. 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 No 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

**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.  
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**Ireland - 2020 COP** - 2020 Code of Practice for the Chemical Agents Regulations, Schedule 1  
**Italy - Decree 81** - Title IX, Annex XLIII and XXXVIII, Professional Exposure Limits and Annex XXXIX Mandatory Biological Limit Values and Health Monitoring, Article 1, Law 123 of August 3, 2007, Legislative Decree 81 of April 9, 2008, Last amended: January 2020  
**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

# Batiste™ Dry Shampoo (EU GHS (2020/878))

## Safety Data Sheet

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

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.

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

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

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

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

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

Church&Dwight EU GHS SDS (2020/878)

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. Occupational exposure limits for chemical agents in Spain. Tables 1 and 3. Latest edition Feb. 2019

**Sweden - AFS 2018:1** - Statute Book of the Swedish Work Environment Authority, AFS 2018:1  
The Swedish Work Environment Authority's Ordinance and General Guidance on Hygienic Limit Values

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

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*