



Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 12/01/2021 Date of issue: 23/12/2019

Version: 2.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product Name : Batiste™ Dry Shampoo
Product code : 300650

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

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.churchdwright.com

consumer.relationsUK@churchdwright.com

1.4. Emergency telephone number

Emergency number : (+44) 08706006266 (24 hours) UK national information service; (+44) 0800 1216080 (Mon - Friday 9am - 4:30pm)
For Medical Emergency: 1-888-234-1828 (USA and Canada), 952-853-1925 (Outside USA and Canada); For Chemical Emergency (CHEMTREC): 1-800-424-9300 (USA and Canada), 1-703-741-5970 (Outside USA and Canada)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229

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

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

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

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

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

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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 [CLP]
n-Butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0	40 - 50	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Isobutane	(CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0	15 - 25	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Propane	(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	(CAS-No.) 9005-25-8 (EC-No.) 232-679-6	5 - 10	Not classified
Ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	3 - 7	Flam. Liq. 2, H225
D-Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7	< 0,01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
.beta.-Pinene	(CAS-No.) 127-91-3 (EC-No.) 204-872-5;242-060-2	< 0,01	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-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, incorrect first-aid practices will aggravate the injury. Protect affected area with a loose cover until proper medical treatment is received.
- First-aid measures after eye contact : Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Contact with gas escaping the container can cause frostbite. Asphyxia by lack of oxygen: risk of death.
- 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.

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

- 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 decomposition products in case of fire : 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 (vapor, mist, 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 recognize 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 material 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.

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Precautions for safe handling	: Avoid prolonged contact with eyes, skin and clothing. Do not breathe 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 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 oxidizers.

7.3. Specific end use(s)

Leave on Hair Product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-Butane (106-97-8)		
Austria	MAK Daily average value (mg/m ³)	1900 mg/m ³ (Butane (all isomers))
Austria	MAK Daily average value (ppm)	800 ppm (Butane (all isomers))
Austria	MAK Short time value [mg/m ³]	3800 mg/m ³
Austria	MAK Short time value [ppm]	1600 ppm
Belgium	Short time value [mg/m ³]	2370 mg/m ³
Belgium	Short time value [ppm]	980 ppm
Bulgaria	OEL TWA (mg/m ³)	1900 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	1450 mg/m ³ 22 mg/m ³ (containing >=0.1% 1,3-Butadiene)
Croatia	GVI (granična vrijednost izloženosti) (ppm)	600 ppm 10 ppm (containing >=0.1% 1,3-Butadiene)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	1810 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	750 ppm
Croatia	OEL chemical category (HR)	Carcinogen Category 1A containing >=0.1% 1,3-Butadiene, Mutagen Category 1B containing >=0.1% 1,3-Butadiene
France	VME [mg/m ³]	1900 mg/m ³
France	VME [ppm]	800 ppm
Germany	Occupational exposure limit value (mg/m ³)	2400 mg/m ³
Germany	Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m ³)	2350 mg/m ³
Greece	OEL TWA (ppm)	1000 ppm
USA ACGIH	ACGIH STEL (ppm)	1000 ppm (explosion hazard (Butane, isomers))
Latvia	OEL TWA (mg/m ³)	300 mg/m ³
Switzerland	KZGW (mg/m ³)	7600 mg/m ³ (Butane)
Switzerland	KZGW (ppm)	3200 ppm (Butane)
Switzerland	MAK (mg/m ³)	1900 mg/m ³ (Butane (all isomers))
Switzerland	MAK (ppm)	800 ppm (Butane (all isomers))
United Kingdom	WEL TWA (mg/m ³)	1450 mg/m ³

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

n-Butane (106-97-8)		
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m ³)	1810 mg/m ³
United Kingdom	WEL STEL (OEL STEL) [ppm]	750 ppm
United Kingdom	WEL chemical category	Capable of causing cancer and/or heritable genetic damage containing >0.1% Buta-1,3-diene
Denmark	Grænseværdi (8 timer) (mg/m ³)	1200 mg/m ³
Denmark	Grænseværdi (8 timer) (ppm)	500 ppm
Estonia	OEL TWA (mg/m ³)	1500 mg/m ³
Estonia	OEL TWA (ppm)	800 ppm
Finland	HTP-arvo (8h) (mg/m ³)	1900 mg/m ³ (suffocating gas that displaces oxygen (Butane))
Finland	HTP-arvo (8h) (ppm)	800 ppm (suffocating gas that displaces oxygen (Butane))
Finland	HTP-arvo (15 min)	2400 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	1000 ppm
Hungary	AK-érték	2350 mg/m ³
Hungary	CK-érték	9400 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	1000 ppm (Aliphatic hydrocarbon gases - Alkanes (C1-C4))
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Norway	Grenseverdier (AN) (mg/m ³)	600 mg/m ³
Norway	Grenseverdier (AN) (ppm)	250 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	750 mg/m ³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	312,5 ppm (value calculated)
Poland	NDS (mg/m ³)	1900 mg/m ³
Poland	NDSCh (mg/m ³)	3000 mg/m ³
Slovenia	OEL TWA (mg/m ³)	2400 mg/m ³ (containing >=0.1% Butadiene)
Slovenia	OEL TWA (ppm)	1000 ppm (containing >=0.1% Butadiene)
Slovenia	OEL STEL (mg/m ³)	9600 mg/m ³ (containing >=0.1% Butadiene)
Slovenia	OEL STEL (ppm)	4000 ppm (containing >=0.1% Butadiene)
Slovenia	OEL chemical category (SI)	Category 1B containing >=0.1% Butadiene, Category 1A containing >=0.1% Butadiene
Isobutane (75-28-5)		
Austria	MAK Daily average value (mg/m ³)	1900 mg/m ³ (Butane (all isomers))
Austria	MAK Daily average value (ppm)	800 ppm (Butane (all isomers))
Austria	MAK Short time value [mg/m ³]	3800 mg/m ³ (Butane both isomers)
Austria	MAK Short time value [ppm]	1600 ppm (Butane both isomers)
Germany	Occupational exposure limit value (mg/m ³)	2400 mg/m ³
Germany	Occupational exposure limit value (ppm)	1000 ppm
USA ACGIH	ACGIH STEL (ppm)	1000 ppm (explosion hazard (Butane, isomers))
Switzerland	KZGW (mg/m ³)	7600 mg/m ³ (Butane)
Switzerland	KZGW (ppm)	3200 ppm (Butane)
Switzerland	MAK (mg/m ³)	1900 mg/m ³ (including Butane (all isomers))
Switzerland	MAK (ppm)	800 ppm (including Butane (all isomers))
Estonia	OEL TWA (mg/m ³)	1900 mg/m ³
Estonia	OEL TWA (ppm)	800 ppm

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Isobutane (75-28-5)		
Finland	HTP-arvo (8h) (mg/m ³)	1900 mg/m ³ (suffocating gas that displaces oxygen (Butane))
Finland	HTP-arvo (8h) (ppm)	800 ppm (suffocating gas that displaces oxygen (Butane))
Finland	HTP-arvo (15 min)	2400 mg/m ³ (Butane)
Finland	HTP-arvo (15 min) (ppm)	1000 ppm (Butane)
Slovenia	OEL TWA (mg/m ³)	2400 mg/m ³
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m ³)	9600 mg/m ³
Slovenia	OEL STEL (ppm)	4000 ppm
Propane (74-98-6)		
Austria	MAK Daily average value (mg/m ³)	1800 mg/m ³
Austria	MAK Daily average value (ppm)	1000 ppm
Austria	MAK Short time value [mg/m ³]	3600 mg/m ³
Austria	MAK Short time value [ppm]	2000 ppm
Belgium	Limit value [ppm]	1000 ppm (gas)
Bulgaria	OEL TWA (mg/m ³)	1800 mg/m ³
Germany	Occupational exposure limit value (mg/m ³)	1800 mg/m ³
Germany	Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m ³)	1800 mg/m ³
Greece	OEL TWA (ppm)	1000 ppm
Latvia	OEL TWA (mg/m ³)	1800 mg/m ³
Latvia	OEL TWA (ppm)	1000 ppm
Switzerland	KZGW (mg/m ³)	7200 mg/m ³
Switzerland	KZGW (ppm)	4000 ppm
Switzerland	MAK (mg/m ³)	1800 mg/m ³
Switzerland	MAK (ppm)	1000 ppm
Denmark	Grænseværdi (8 timer) (mg/m ³)	1800 mg/m ³
Denmark	Grænseværdi (8 timer) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m ³)	1800 mg/m ³
Estonia	OEL TWA (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m ³)	1500 mg/m ³ (suffocating gas that displaces oxygen)
Finland	HTP-arvo (8h) (ppm)	800 ppm (suffocating gas that displaces oxygen)
Finland	HTP-arvo (15 min)	2000 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	1100 ppm
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated (Aliphatic hydrocarbon gases - Alkanes (C1-C4)))
Ireland	OEL chemical category (IE)	Simple asphyxiant
Norway	Grænseværdier (AN) (mg/m ³)	900 mg/m ³
Norway	Grænseværdier (AN) (ppm)	500 ppm
Norway	Grænseværdier (Korttidsverdi) (mg/m ³)	1125 mg/m ³ (value calculated)
Norway	Grænseværdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Poland	NDS (mg/m ³)	1800 mg/m ³
Romania	OEL TWA (mg/m ³)	1400 mg/m ³
Romania	OEL TWA (ppm)	778 ppm

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Propane (74-98-6)		
Romania	OEL STEL (mg/m ³)	1800 mg/m ³
Romania	OEL STEL (ppm)	1000 ppm
Slovenia	OEL TWA (mg/m ³)	1800 mg/m ³
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m ³)	7200 mg/m ³
Slovenia	OEL STEL (ppm)	4000 ppm
Portugal	OEL TWA (ppm)	1000 ppm
Starch (9005-25-8)		
Belgium	Limit value [mg/m ³]	10 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	10 mg/m ³ (dust, inhalable fraction (Plant origin dust))
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	4 mg/m ³ (respirable dust) 10 mg/m ³ (total dust, inhalable particles)
Greece	OEL TWA (mg/m ³)	10 mg/m ³ (inhalable fraction) 5 mg/m ³ (respirable fraction)
USA ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	10 mg/m ³
Switzerland	MAK (mg/m ³)	3 mg/m ³ (respirable dust)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (total inhalable) 4 mg/m ³ (respirable)
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated-total inhalable) 12 mg/m ³ (calculated-respirable)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	4 mg/m ³ (dust)
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ (total inhalable dust) 4 mg/m ³ (respirable dust)
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated-respirable dust (Borates)) 12 mg/m ³ (calculated)
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen
Ethyl alcohol (64-17-5)		
Austria	MAK Daily average value (mg/m ³)	1900 mg/m ³
Austria	MAK Daily average value (ppm)	1000 ppm
Austria	MAK Short time value [mg/m ³]	3800 mg/m ³
Austria	MAK Short time value [ppm]	2000 ppm
Belgium	Limit value [mg/m ³]	1907 mg/m ³
Belgium	Limit value [ppm]	1000 ppm
Bulgaria	OEL TWA (mg/m ³)	1000 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	1900 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
France	VLE [mg/m ³]	9500 mg/m ³
France	VLE [ppm]	5000 ppm
France	VME [mg/m ³]	1900 mg/m ³
France	VME [ppm]	1000 ppm
Germany	Occupational exposure limit value (mg/m ³)	380 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Ethyl alcohol (64-17-5)		
Germany	Occupational exposure limit value (ppm)	200 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m ³)	1900 mg/m ³
Greece	OEL TWA (ppm)	1000 ppm
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
Latvia	OEL TWA (mg/m ³)	1000 mg/m ³
Spain	VLA-EC (mg/m ³)	1910 mg/m ³
Spain	VLA-EC (ppm)	1000 ppm
Switzerland	KZGW (mg/m ³)	1920 mg/m ³
Switzerland	KZGW (ppm)	1000 ppm
Switzerland	MAK (mg/m ³)	960 mg/m ³
Switzerland	MAK (ppm)	500 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	260 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	1900 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	1920 mg/m ³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m ³)	5760 mg/m ³ (calculated)
United Kingdom	WEL STEL (OEL STEL) [ppm]	3000 ppm (calculated)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	1000 mg/m ³
Denmark	Grænseværdi (8 timer) (mg/m ³)	1900 mg/m ³
Denmark	Grænseværdi (8 timer) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m ³)	1000 mg/m ³
Estonia	OEL TWA (ppm)	500 ppm
Estonia	OEL STEL (mg/m ³)	1900 mg/m ³
Estonia	OEL STEL (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m ³)	1900 mg/m ³
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
Hungary	AK-érték	1900 mg/m ³
Hungary	CK-érték	3800 mg/m ³
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Lithuania	IPRV (mg/m ³)	1000 mg/m ³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m ³)	1900 mg/m ³
Lithuania	TPRV (ppm)	1000 ppm
Norway	Grenseverdier (AN) (mg/m ³)	950 mg/m ³
Norway	Grenseverdier (AN) (ppm)	500 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	1187,5 mg/m ³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Poland	NDS (mg/m ³)	1900 mg/m ³
Romania	OEL TWA (mg/m ³)	1900 mg/m ³
Romania	OEL TWA (ppm)	1000 ppm
Romania	OEL STEL (mg/m ³)	9500 mg/m ³
Romania	OEL STEL (ppm)	5000 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	960 mg/m ³

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Ethyl alcohol (64-17-5)		
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	1920 mg/m ³
Slovenia	OEL TWA (mg/m ³)	960 mg/m ³
Slovenia	OEL TWA (ppm)	500 ppm
Slovenia	OEL STEL (mg/m ³)	1920 mg/m ³
Slovenia	OEL STEL (ppm)	1000 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	1000 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	1900 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	1000 ppm
Portugal	OEL TWA (ppm)	1000 ppm
Portugal	OEL chemical category (PT)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
D-Limonene (5989-27-5)		
Germany	Occupational exposure limit value (mg/m ³)	28 mg/m ³ (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Occupational exposure limit value (ppm)	5 ppm (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	Chemical category	Skin notation, Skin sensitization
Spain	VLA-ED (mg/m ³)	168 mg/m ³
Spain	VLA-ED (ppm)	30 ppm
Spain	OEL chemical category (ES)	Sensitizer, skin - potential for cutaneous absorption
Switzerland	KZGW (mg/m ³)	80 mg/m ³
Switzerland	KZGW (ppm)	14 ppm
Switzerland	MAK (mg/m ³)	40 mg/m ³
Switzerland	MAK (ppm)	7 ppm
Switzerland	OEL chemical category (CH)	Sensitizer
Finland	HTP-arvo (8h) (mg/m ³)	140 mg/m ³
Finland	HTP-arvo (8h) (ppm)	25 ppm
Finland	HTP-arvo (15 min)	280 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	50 ppm
Norway	Grenseverdier (AN) (mg/m ³)	140 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	175 mg/m ³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	37,5 ppm (value calculated)
Norway	OEL chemical category (NO)	Sensitizing substance
Slovenia	OEL TWA (mg/m ³)	28 mg/m ³
Slovenia	OEL TWA (ppm)	5 ppm
Slovenia	OEL STEL (mg/m ³)	112 mg/m ³
Slovenia	OEL STEL (ppm)	20 ppm
Slovenia	OEL chemical category (SI)	Potential for cutaneous absorption
.beta.-Pinene (127-91-3)		
Belgium	Limit value [ppm]	20 ppm
USA ACGIH	ACGIH TWA (ppm)	20 ppm (Turpentine and selected monoterpenes)
Spain	VLA-ED (mg/m ³)	113 mg/m ³

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

.beta.-Pinene (127-91-3)		
Spain	VLA-ED (ppm)	20 ppm
Spain	OEL chemical category (ES)	Sensitizer
Estonia	OEL TWA (mg/m ³)	150 mg/m ³
Estonia	OEL TWA (ppm)	25 ppm
Estonia	OEL STEL (mg/m ³)	300 mg/m ³
Estonia	OEL STEL (ppm)	50 ppm
Lithuania	IPRV (mg/m ³)	150 mg/m ³
Lithuania	IPRV (ppm)	25 ppm
Lithuania	TPRV (mg/m ³)	300 mg/m ³
Lithuania	TPRV (ppm)	50 ppm
Norway	Grenseverdier (AN) (mg/m ³)	140 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	175 mg/m ³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	37,5 ppm (value calculated)
Sweden	nivågränsvärde (NVG) (mg/m ³)	150 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	25 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	300 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	50 ppm
Sweden	OEL chemical category (SE)	Sensitizer
Portugal	OEL TWA (ppm)	20 ppm (Turpentine and selected Monoterpenes)
Portugal	OEL chemical category (PT)	Sensitizer, A4 - Not Classifiable as a Human Carcinogen

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

Personal protective equipment

: For occupational/workplace settings and bulk quantities: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



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

: Colourless Aerosol

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Odour	: Comparable to reference
Odour threshold	: No data available
pH	: No data available
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
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	: No data available

9.2. Other information

Gas group : Compressed gas

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Contains gas under pressure; may explode if heated. Flammable aerosol. Pressurized container: may burst if heated.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

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 toxicological effects

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

n-Butane (106-97-8)	
LC50 Inhalation - Rat	30957 mg/m ³ (Exposure time: 4 h)
Isobutane (75-28-5)	
LC50 Inhalation - Rat	658 mg/l/4h
LC50 Inhalation - Rat [ppm]	11000 ppm
Propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 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 (Vapours)	124,7 mg/l/4h
ATE CLP (dermal)	15.780,00 mg/kg bodyweight
D-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

D-Limonene (5989-27-5)	
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
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: 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)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-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 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.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified.

Ethyl alcohol (64-17-5)	
LC50 fish 1	11200 mg/l
EC50 Daphnia 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 Daphnia 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

12.2. Persistence and degradability

Batiste™ Dry Shampoo	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Batiste™ Dry Shampoo	
Bioaccumulative potential	Not established.

n-Butane (106-97-8)	
Log POW	2,89

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Isobutane (75-28-5)	
BCF fish 1	1,57 – 1,97
Log POW	2,88 (at 20 °C)
Propane (74-98-6)	
Log POW	2,3
Ethyl alcohol (64-17-5)	
Log POW	-0,32

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Batiste™ Dry Shampoo
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

12.6. 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.
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				
1950	1950	1950	1950	1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
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. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Section	Section Header	Change	Date Changed
1	1. Identification of the substance/mixture and of the company/undertaking	Fragrance Previously: Fresh LYF/E & Original	09/12/2020
3	Composition/information on ingredients	Modified	09/12/2020
8	Control parameters	Modified	09/12/2020
11, 12, 15, 16	Changes following from fragrance changes	Modified: Changes following from fragrance changes	09/12/2020
1	1. Identification of the substance/mixture and of the company/undertaking	Product Code	12/01/2021

Date of Preparation or Latest Revision : 12/01/2021

Data sources : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
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.

Batiste™ Dry Shampoo

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Church&Dwight EU GHS SDS

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