

SAFETY DATA SHEET

The provisions of Title IV of Regulation (EC) No 1907/2006 as amended shall not apply to Cosmetic Products.

Dermatonics Deodorising Fizzy Foot Foam

Creation date 31st March 2021

Revision date Version 1.0

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

- 1.1. Product identifier**
Substance / mixture Dermatonics Deodorising Fizzy Foot Foam mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use Cosmetic product.
Mixture uses advised against The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name Dermatonics Ltd
Address 3 Bramley Road, St Ives, Cambridgeshire, PE27 3WS
United Kingdom of Great Britain and Northern Ireland
Phone +44 1480 462910
E-mail cathyw@dermatonics.co.uk
Competent person responsible for the safety data sheet
Name Dermatonics Ltd
E-mail cathyw@dermatonics.co.uk
- 1.4. Emergency telephone number**
European emergency number: 112
National Health Service (NHS) 111

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
A cosmetic product is not under scope of the Regulation.

Aerosol 1, H222, H229

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

- 2.2. Label elements**
Hazard pictogram



Signal word
Danger

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

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Precautionary statements

- P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32	butane	<75	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280	1, 2, 3
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	<15	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	3

Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)
Press. Gas (Liq.)
Press. Gas (Ref. Liq.)
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Not expected.

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If on skin

There are not any particular first aid measures required.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Unlikely.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

When intruding eyes, it can evoke irritation.

If swallowed

Not expected.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

The heat from fire increases inner pressure in containers and can cause their bursting or explosion. The exploding containers could fly up to the distance several ten meters. In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Czech Republic

Government Regulation 41/2020 Coll.

Substance name (component)	Type	Value	Conversion for ppm
ethanol (CAS: 64-17-5)	PEL	1000 mg/m ³	0,522
	NPK-P	3000 mg/m ³	0,522

Austria

BGBl. II Nr. 254/2018

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	MAK daily mean	1900 mg/m ³	
	MAK daily mean	800 ppm	
	MAK short-term values	3800 mg/m ³	
	MAK short-term values	1600 ppm	
ethanol (CAS: 64-17-5)	MAK daily mean	1900 mg/m ³	
	MAK daily mean	1000 ppm	
	MAK short-term values	3800 mg/m ³	
	MAK short-term values	2000 ppm	

Belgium

Annex to the Royal Decree of September 2, 2018

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	Short time value	2370 mg/m ³	
	Short time value	980 ppm	
ethanol (CAS: 64-17-5)	8h	1907 mg/m ³	
	8h	1000 ppm	

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Bulgaria

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)		1900 mg/m ³	
ethanol (CAS: 64-17-5)		1000 mg/m ³	

Bulgaria

НАРЕДБА № 13 от 30.12.2003

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)		1900 mg/m ³	
ethanol (CAS: 64-17-5)		1000 mg/m ³	

Croatia

OG 91/2018

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	GVI	1450 mg/m ³	
	GVI	600 ppm	
	KGVI	1810 mg/m ³	
	KGVI	750 ppm	
	GVI	22 mg/m ³	
	GVI	10 ppm	
ethanol (CAS: 64-17-5)	GVI	1900 mg/m ³	
	GVI	1000 ppm	

Cyprus

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	TWA	1900 mg/m ³	
	TWA	800 ppm	
ethanol (CAS: 64-17-5)	TWA	1880 mg/m ³	
	TWA	1000 ppm	

Denmark

BEK No. 1458 of 13/12/2019

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	8h	1200 mg/m ³	
	8h	500 ppm	
ethanol (CAS: 64-17-5)	8h	1900 mg/m ³	
	8h	1000 ppm	

Estonia

Government of the Republic Regulation No. 293 of 18 September 2001.

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	Limit value	1500 mg/m ³	
	Limit value	800 ppm	
ethanol (CAS: 64-17-5)	Limit value	1000 mg/m ³	
	Limit value	500 ppm	

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Estonia

Government of the Republic Regulation No. 293 of 18 September 2001.

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	Short term exposure	1900 mg/m ³	
	Short term exposure	1000 ppm	

Finland

HTP-ARVOT 538/2018

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)		1900 mg/m ³	
		800 ppm	
		2400 mg/m ³	
		1000 ppm	
ethanol (CAS: 64-17-5)		1900 mg/m ³	
		1000 ppm	
		2500 mg/m ³	
		1300 ppm	

France

Valeurs limites d'exposition professionnelle aux agents chimiques en France ED 984

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	VLEP-8h	1900 mg/m ³	
	VLEP-8h	800 ppm	
ethanol (CAS: 64-17-5)	VLEP-8h	1900 mg/m ³	
	VLEP-8h	1000 ppm	
		9500 mg/m ³	
		5000 ppm	

Germany

DFG - MAK-Werte-Liste 2017 (MAK)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	MAK 8h	2400 mg/m ³	
	MAK	1000 ppm	
	MAK 15min	9600 mg/m ³	
	MAK 15min	4000 ppm	
ethanol (CAS: 64-17-5)	MAK 8h	380 mg/m ³	
	MAK	200 ppm	
	MAK 15min	1520 mg/m ³	
	MAK 15min	800 ppm	

Germany

IFA DGUV Grenzwerteliste 2017 (AGW)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	AGW 8h	2400 mg/m ³	
	AGW 8h	1000 ppm	

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Germany

IFA DGUV Grenzwerteliste 2017 (AGW)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	AGW short	9600 mg/m ³	
	AGW short	4000 ppm	
ethanol (CAS: 64-17-5)	AGW 8h	960 mg/m ³	
	AGW 8h	500 ppm	
	AGW short	1920 mg/m ³	
	AGW short	1000 ppm	

Germany

TRGS 900

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	8h	2400 mg/m ³	
	8h	1000 ppm	
	Short	9600 mg/m ³	
	Short	4000 ppm	
ethanol (CAS: 64-17-5)	8h	380 mg/m ³	
	8h	200 ppm	
	Short	1520 mg/m ³	
	Short	800 ppm	

Greece

Αρ. Φύλλου 94, 13 Μάιος 1999

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	Exposure limit value	2350 mg/m ³	
	Exposure limit value	1000 ppm	
ethanol (CAS: 64-17-5)	Exposure limit value	1900 mg/m ³	
	Exposure limit value	1000 ppm	

Hungary

29/2018. (VIII. 29.) EMMI rendelet

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	ÁK-érték	2350 mg/m ³	
	CK-érték	9400 mg/m ³	
ethanol (CAS: 64-17-5)	ÁK-érték	1900 mg/m ³	
	CK-érték	7600 mg/m ³	

Ireland

2018 Code of Practice for the Chemical Agents Regulations

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	OELV 15 minutes	1000 ppm	

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Ireland

2018 Code of Practice for the Chemical Agents Regulations

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	OELV 15 minutes	1000 ppm	

Latvia

Cabinet Regulation No. 325

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	AER 8 hrs.	300 mg/m ³	
ethanol (CAS: 64-17-5)	AER 8 hrs.	1000 mg/m ³	

Lithuania

Lithuanian hygiene standards HN 23: 2011

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	IPRD	1000 mg/m ³	
	IPRD	500 ppm	
	TPRD	1900 mg/m ³	
	TPRD	1000 ppm	

Netherlands

Working conditions regulation 2020

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	TGG (8 hours)	260 mg/m ³	Skin absorption - Substances that can be absorbed relatively easily through the skin, which can make a substantial contribution to the total internal exposure, have an indication in the list. For these substances, in addition to measures against inhalation, adequate measures to prevent skin contact must also be taken.
	TGG (15 min)	1900 mg/m ³	

Norway

FOR-2018-12-20-2186

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	8 hours	600 mg/m ³	
	8 hours	250 ppm	
ethanol (CAS: 64-17-5)	8 hours	950 mg/m ³	

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Norway

FOR-2018-12-20-2186

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8 hours	500 ppm	

Poland

Dz.U. 2018 poz. 1286

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	NDS	1900 mg/m ³	
	NDSch	3000 mg/m ³	
ethanol (CAS: 64-17-5)	NDS	1900 mg/m ³	

Romania

Hotărâre Nr. 584/2018 din 2 august 2018

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8h	1900 mg/m ³	
	8h	1000 ppm	
	15min	9500 mg/m ³	
	15min	5000 ppm	

Slovakia

Nariadenie vlády Slovenskej republiky 33/2018

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	NPEL	960 mg/m ³	
	NPEL	500 ppm	
	NPEL	1920 mg/m ³	
	NPEL	1000 ppm	

Slovenia

Uradni list RS, Št. 78

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	8 hours	2400 mg/m ³	
	8 hours	1000 ppm	
	KTV (15 min)	9600 mg/m ³	
	KTV (15 min)	4000 ppm	
ethanol (CAS: 64-17-5)	8 hours	960 mg/m ³	Substances representing no risk to the foetus with reference to the limit values.
	8 hours	500 ppm	
	KTV (15 min)	1920 mg/m ³	
	KTV (15 min)	1000 ppm	

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Spain

Límites de exposición profesional para agentes químicos en España 2019

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	VLA-ED	1000 ppm	
ethanol (CAS: 64-17-5)	VLA-EC	1910 mg/m ³	
	VLA-EC	1000 ppm	

Spain

Occupational exposure limits for chemical agents in Spain 2019

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	VLA-ED	1000 ppm	
ethanol (CAS: 64-17-5)	VLA-EC	1910 mg/m ³	
	VLA-EC	1000 ppm	

Sweden

Hygienic limit values (AFS 2015: 7)

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	NGV	1000 mg/m ³	Indicative Short Term Limit - To be used as a recommended maximum value that should not be exceeded.
	NGV	500 ppm	
	KGV	1900 mg/m ³	
	KGV	1000 ppm	

Switzerland

MAK-Werte 2017

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	MAK-Wert	1900 mg/m ³	
	MAK-Wert	800 ppm	
	KZGW	7600 mg/m ³	
	KZGW	3200 ppm	
ethanol (CAS: 64-17-5)	MAK-Wert	960 mg/m ³	
	MAK-Wert	500 ppm	
	KZGW	1920 mg/m ³	
	KZGW	1000 ppm	

United Kingdom of Great Britain and Northern Ireland

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	WEL 8h	1450 mg/m ³	
	WEL 8h	600 ppm	
	WEL 15min	1810 mg/m ³	

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United Kingdom of Great Britain and Northern Ireland

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	WEL 15min	750 ppm	
ethanol (CAS: 64-17-5)	WEL 8h	1920 mg/m ³	
	WEL 8h	1000 ppm	

DNEL

ethanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	950 mg/kg	Systemic chronic effects	
Workers	Inhalation	1900 mg/kg	Local acute effects	
Workers	Dermal	343 mg/kg	Systemic chronic effects	
Consumers	Inhalation	114 mg/kg	Systemic chronic effects	
Consumers	Inhalation	950 mg/kg	Local acute effects	
Consumers	Dermal	206 mg/kg	Systemic chronic effects	
Consumers	Oral	87 mg/kg	Systemic chronic effects	

PNEC

ethanol

Route of exposure	Value	Determining method
Freshwater environment	0.96 mg/kg	
Seawater	0.79 mg/kg	
Water (intermittent release)	2.75 mg/kg	
Microorganisms in wastewater treatment plants	580 mg/kg	
Freshwater sediment	3.6 mg/kg	
Sea sediments	2.9 mg/kg	
Soil (agricultural)	0.63 mg/kg	
Food chain	380-720 mg/kg	

8.2. Exposure controls

Follow the usual measures for health protection at work. Do not eat, drink and smoke during work.

Eye/face protection

It is not needed.

Skin protection

It is not needed.

Respiratory protection

It is not needed.

Thermal hazard

not available

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Foam
physical state	liquid at 20 °C
color	white
Odour	according to fragrance
Odour threshold	data not available
pH	5,2-6,0 (undiluted)
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	-60 °C (butane)
Evaporation rate	data not available
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	butane
bottom	1,5 %
upper	8,5 %
Vapour pressure	0,2 MPa (butane) at 20 °C
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	partially soluble
solubility in fats	partially soluble
Partition coefficient: n-octanol/water	2,89 (Butane), -0,3 (Ethanol)
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available

9.2. Other information

Density	680-720 g/cm ³ at 20 °C
ignition temperature	data not available

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

butane

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (gases)	LD50	658 mg/l	4 hour	Rat	

ethanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	1187-15010 mg/kg bw		Rat	
Inhalation	LC50	82.1-92.6 mg/l of air	6 hour	Rat	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

ethanol

Route of exposure	Result	Time of exposure	Species
Eye	Irritating		

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

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Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Data for the mixture are not available.

ethanol

Parameter	Value	Time of exposure	Species	Environment
LC50	11.2-14.2 g/l	96 hour	Fishes	Freshwater
LC50	5.012 g/l	48 hour	Daphnia	Freshwater
EC50	275 mg/l	72 hour	Algae	Freshwater

Chronic toxicity

ethanol

Parameter	Value	Time of exposure	Species	Environment
NOEC	>1 mg/kg	24 day	Fishes	Freshwater
NOEC	>10 mg/kg	21 day	Daphnia	Freshwater

12.2. Persistence and degradability

Data not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

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Revision date Version 1.0

Waste management legislation

Ordinance on the European List of Waste (German Waste Catalogue Ordinance -Verordnung über das Europäische Abfallverzeichnis - AVV). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not available

14.5. Environmental hazards

not available

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

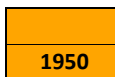
Additional information

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1



Road transport - ADR

Special provisions

190, 327, 344, 625

Limited quantities

1 L

Excepted quantities

E0

Packaging

Packing instructions

P207, LP200

Special packing provisions

PP87, RR6, L2

Mixed packing provisions

MP9

Transport category

2

Tunnel restriction code

(D)

Special provision for

packages

V14

loading, unloading and handling

CV9, CV12

operation

S2

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Railway transport - RID

Special provisions	190, 327, 344, 625
Excepted quantities	E0

Packaging

Packing instructions	P207, LP200
Special packing provisions	PP87, RR6, L2
Mixed packing provisions	MP9
Transport category	0

Special provision for

packages	W 14
loading, unloading and handling	CW 9, CW 12

Air transport - ICAO/IATA

Packaging instructions for limited amount	Y203
Packaging instructions passenger	203
Cargo packaging instructions	203

Marine transport - IMDG

EmS (emergency plan)	F-D, S-U
MFAG	620

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ordinance on protection against hazardous substances (Hazardous Substances Ordinance - GefStoffV). TRGS 900. Protection of Young Persons (Employment) Act (Child Labor Law - JArbSchG). Act on protection against dangerous substances and preparations (Chemicals Act - ChemG). Act on the implementation of occupational safety and health measures to improve workplace safety and health. Ordinance to protect the climate from changes caused by the input of certain fluorinated greenhouse gases (Chemicals Climate Protection Ordinance - ChemKlimaschutzV). Technical Instructions on Air Quality Control. Ordinance on facilities for handling substances that are hazardous to water (AwSV) of 18 April 2017. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

A chemical safety assessment is not required for cosmetics.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H319	Causes serious eye irritation.

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

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

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
AGW	Occupational Exposure Limits
AK	Acceptable exposure limit
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC50	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC50	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD50	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K _{ow}	Octanol-water partition coefficient
MAK	Maximum workplace concentration
MARPOL	International Convention for the Prevention of Pollution From Ships
MK	Maximum concentration
NDS	Maximum admissible concentration
NDSch	Maximum admissible short-term concentration
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
NPEL	The highest acceptable exposure limit
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations

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UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Aerosol	Aerosol
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - on basis of test data.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.