

SAFETY DATA SHEET

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

ECOOKING - Hair Spray

Creation date	19th April 2021	Version	1.0
Revision date			

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

1.1. Product identifier ECOOKING - Hair Spray
Substance / mixture 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

Subscriber

Name or trade name	House of Cosmetics ApS
Address	Gl. Skartved 11, Bjert-Kolding, 6091 Denmark
Phone	+45 70 70 74 83
E-mail	quality@houseofcosmetics.dk

Competent person responsible for the safety data sheet

Name	House of Cosmetics ApS
E-mail	quality@houseofcosmetics.dk

1.4. Emergency telephone number

European emergency number: 112

DK: Poisoning information centre, Akuthospital i Region Hovedstaden, Giftlinjen - +45 82 12 12 12.

SE: 112 – ask for Poisons Information

NO: Norwegian Poison Information Centre: 22 59 13 00

DE: Poisoning information centre, Charité-Universitätsmedizin, Campus Benjamin Franklin, Hindenburgdamm 30, 12203 Berlin, telephone: +49 30 19240.

NL: NVIC 030-2748888, Only intended to inform professional rescuers in case of acute poisoning.

FR: Poisoning information centre, Open 24 hours / day, +358 9 471 977 or 09 4711 (switchboard).

RU: Contact a poison control center. Ekaterinburg +7 343 229 98 57; Moscow +7 495 628 1687; Saint Petersburg +7 921 757 3228

UK: 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

Final cosmetic products do not fall 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.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

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

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

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. 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: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	<50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	2
Index: 603-019-00-8 CAS: 115-10-6 EC: 204-065-8 Registration number: 01-2119472128-37	dimethyl ether	<40	Flam. Gas 1A, H220 Press. Gas (liquefied gas), H280	1, 2

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Notes

- 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 with a Union workplace exposure limit.

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. Terminate the exposure immediately; move the affected person to fresh air.

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.

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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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Protect against direct sunlight. Do not pierce or burn, even after use. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

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

Denmark

BEK No. 1458 of 13/12/2019

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8h	1900 mg/m ³	
	8h	1000 ppm	
dimethyl ether (CAS: 115-10-6)	8h	1920 mg/m ³	
	8h	1000 ppm	

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European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
dimethyl ether (CAS: 115-10-6)	OEL 8 hours	1920 mg/m ³	
	OEL 8 hours	1000 ppm	

France

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

984

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	VLEP-8h	1900 mg/m ³	
	VLEP-8h	1000 ppm	
		9500 mg/m ³	
		5000 ppm	
dimethyl ether (CAS: 115-10-6)	VLEP-8h	1920 mg/m ³	
	VLEP-8h	1000 ppm	

Germany

DFG - MAK-Werte-Liste 2017 (MAK)

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	MAK 8h	380 mg/m ³	
	MAK	200 ppm	
	MAK 15min	1520 mg/m ³	
	MAK 15min	800 ppm	
dimethyl ether (CAS: 115-10-6)	MAK 8h	1900 mg/m ³	
	MAK	1000 ppm	
	MAK 15min	15200 mg/m ³	
	MAK 15min	8000 ppm	

Germany

IFA DGUV Grenzwerteliste 2017 (AGW)

Substance name (component)	Type	Value	Note
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	
dimethyl ether (CAS: 115-10-6)	AGW 8h	1900 mg/m ³	
	AGW 8h	1000 ppm	
	AGW short	15200 mg/m ³	
	AGW short	8000 ppm	

Germany

TRGS 900

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8h	380 mg/m ³	
	8h	200 ppm	
	Short	1520 mg/m ³	
	Short	800 ppm	

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Germany

TRGS 900

Substance name (component)	Type	Value	Note
dimethyl ether (CAS: 115-10-6)	8h	1900 mg/m ³	
	8h	1000 ppm	
	Short	15200 mg/m ³	
	Short	8000 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	
dimethyl ether (CAS: 115-10-6)	TGG (8 hours)	950 mg/m ³	
	TGG (15 min)	1500 mg/m ³	

Norway

FOR-2018-12-20-2186

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8 hours	950 mg/m ³	
	8 hours	500 ppm	
dimethyl ether (CAS: 115-10-6)	8 hours	384 mg/m ³	
	8 hours	200 ppm	

Russian Federation

FOCT 12.1.005-88

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	8h	1000 mg/m ³	vapors and / or gases

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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	
dimethyl ether (CAS: 115-10-6)	NGV	950 mg/m ³	Indicative Short Term Limit - To be used as a recommended maximum value that should not be exceeded.
	NGV	500 ppm	
	KGV	1500 mg/m ³	
	KGV	800 ppm	

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	WEL 8h	1920 mg/m ³	
	WEL 8h	1000 ppm	
dimethyl ether (CAS: 115-10-6)	WEL 8h	766 mg/m ³	
	WEL 8h	400 ppm	
	WEL 15min	958 mg/m ³	
	WEL 15min	500 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	

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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.

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	colourless
Odour	according to fragrance
Melting point/freezing point	not applicable
Boiling point or initial boiling point and boiling range dimethyl ether (CAS: 115-10-6)	not applicable -24,8 °C
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature dimethyl ether (CAS: 115-10-6)	data not available 226 °C
Decomposition temperature	data not available
pH	5-6 (10% solution at 20 °C)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure dimethyl ether (CAS: 115-10-6)	data not available 510 kPa at 20 °C
Density and/or relative density Density	810-840 g/cm ³ at 20 °C

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Relative vapour density 1,59 (dimethylether)
Particle characteristics not applicable
Form aerosol dispenser: spray aerosol
data not available

9.2. Other information

none

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.

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 hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

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.

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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.

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.

11.2. Information on other hazards

not available

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

not available

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

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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. Endocrine disrupting properties

not available

12.7. 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.

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 or ID 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. Maritime transport in bulk according to IMO instruments

not available

Additional information

Hazard identification No.

59

UN number

1950

Classification code

5F

Safety signs

2.1



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Air transport - ICAO/IATA

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.
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
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

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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
EuPCS	European Product Categorisation System
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 Kow	Octanol-water partition coefficient
MAK	Maximum workplace concentration
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
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
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.

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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.