



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date 03rd February 2025
Revision date Version 1.0

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

- 1.1. Product identifier** ROSEMARY HYDROLATE
Substance / mixture mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Use in the cosmetics and perfumery industry
The use descriptors
PC 39 Cosmetics, personal care products
Mixture uses advised against
All uses not specified in this section or section 7.3
- 1.3. Details of the supplier of the safety data sheet**
Supplier
Name or trade name Ecoflores Krzysztof Magdij
Address Waksmundzka 34, Nowy Targ, 34-400
Poland
Phone +48 604-508-229
E-mail kontakt@ecoflores.eu
Competent person responsible for the safety data sheet
Name Ecoflores Krzysztof Magdij
E-mail kontakt@ecoflores.eu
- 1.4. Emergency telephone number**
European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
- 2.2. Label elements**
Signal word
none
Supplemental information
EUH208 Contains ROSMARINUS OFFICINALIS WATER. May produce an allergic reaction.
- 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. Does not contain any PMT or vPvM components.



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date 03rd February 2025
Revision date Version 1.0

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

In accordance with Annex II to Regulation (EC) No. 1907/2006 (point 3), the Product contains:

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
CAS: 532-32-1 EC: 208-534-8 Registration number: 01-2119460683-35-xxxx	SODIUM BENZOATE	1	Eye Irrit. 2, H319	
CAS: 5949-29-1 EC: 201-069-1 Registration number: 01-2119457026-42-xxxx	CITRIC ACID	1	Eye Irrit. 2, H319 STOT SE 3, H335	
CAS: 84604-14-8 EC: 283-291-9 Registration number: 01-2120086955-39-xxxx	ROSMARINUS OFFICINALIS WATER	0.2-0.5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 STOT SE 2, H371 (central nervous system) (ingestion) Aquatic Chronic 2, H411	1

Notes

1 Substance of unknown or variable composition, complex reaction products or biological materials - UVCB.

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

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

If inhaled

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

If on skin

Remove contaminated clothes.

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.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date	03rd February 2025	Version	1.0
Revision date			

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

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

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

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 chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

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

After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

7.3. Specific end use(s)

See point 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date

03rd February 2025

Revision date

Version

1.0

DNEL

ROSMARINUS OFFICINALIS WATER				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	14.69 mg/m ³	Chronic effects systemic	ECHA
Workers	Dermal	4.17 mg/kg bw/day	Chronic effects systemic	ECHA
Consumers	Inhalation	4.35 mg/m ³	Chronic effects systemic	ECHA
Consumers	Dermal	2.5 mg/kg bw/day	Chronic effects systemic	ECHA
Consumers	Oral	2.5 mg/kg bw/day	Chronic effects systemic	ECHA

SODIUM BENZOATE				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	3 mg/m ³	Chronic effects systemic	ECHA
Workers	Inhalation	0.1 mg/m ³	Chronic effects local	ECHA
Workers	Dermal	62.5 mg/kg bw/day	Chronic effects systemic	ECHA
Consumers	Inhalation	1.5 mg/m ³	Chronic effects systemic	ECHA
Consumers	Inhalation	0.06 mg/m ³	Chronic effects local	ECHA
Consumers	Dermal	31.25 mg/kg bw/day	Chronic effects systemic	ECHA
Consumers	Oral	16.6 mg/kg bw/day	Chronic effects systemic	ECHA

PNEC

SODIUM BENZOATE		
Route of exposure	Value	Source
Water (intermittent release)	0.058 mg/l	ECHA
Seawater (intermittent release)	0.06 µg/l	ECHA
Microorganisms in sewage treatment	10 mg/l	ECHA
Freshwater sediment	2.5 mg/kg of dry substance of sediment	ECHA
Sea sediments	0.25 mg/kg of dry substance of sediment	ECHA
Soil (agricultural)	0.159 mg/kg of dry substance of soil	ECHA
Oral	300 mg/kg of food	ECHA

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. When handling in long-term or repeatedly, use protective gloves.

ROSEMARY HYDROLATE

Creation date	03rd February 2025	Version	1.0
Revision date			

Respiratory protection

It is not needed.

Thermal hazard

Data 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
Colour	colourless
Odour	characteristic
Melting point/freezing point	data not available
SODIUM BENZOATE (CAS: 532-32-1)	436 °C
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	≥175 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
SODIUM BENZOATE (CAS: 532-32-1)	450-475 °C
pH	6-6.5 (undiluted at 20 °C)
CITRIC ACID (CAS: 5949-29-1)	1.8 (5% solution at 25 °C)
SODIUM BENZOATE (CAS: 532-32-1)	8 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble
SODIUM BENZOATE (CAS: 532-32-1)	556 g/l (20C)
Partition coefficient n-octanol/water (log value)	data not available
SODIUM BENZOATE (CAS: 532-32-1)	1.88
Vapour pressure	data not available
Density and/or relative density	
Density	1 g/cm ³ at 20 °C
SODIUM BENZOATE (CAS: 532-32-1)	1.5 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

*No information on the hazards caused by the product

9.2. Other information

Refractive index: 1.333 (20C)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under storage conditions. See section 7 of the Safety Data Sheet

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date 03rd February 2025
Revision date Version 1.0

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

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

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

CITRIC ACID							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD50		5400 mg/kg bw		Mouse		ECHA
Dermal	LD50		>2000 mg/kg bw		Rat (<i>Rattus norvegicus</i>)		ECHA

ROSMARINUS OFFICINALIS WATER							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD50	OECD 401	5000 mg/kg bw		Rat (<i>Rattus norvegicus</i>)		ECHA
Dermal	LD50	OECD 402	8000 mg/kg bw		Rabbit		ECHA
Inhalation	LC50		13000 mg/m ³ of air	4 hours	Rat (<i>Rattus norvegicus</i>)		ECHA

SODIUM BENZOATE							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD50		>2000 mg/kg		Rat (<i>Rattus norvegicus</i>)		ECHA
Inhalation	LC50		12200 mg/m ³ of air	4 hours	Rat (<i>Rattus norvegicus</i>)	F/M	ECHA
Dermal	LD50		>2000 mg/kg bw		Rabbit	F/M	ECHA

Skin corrosion/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Irritation

CITRIC ACID					
Route of exposure	Result	Method	Exposure time	Species	Source
Eye	Irritating				ECHA

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date	03rd February 2025	Version	1.0
Revision date			

SODIUM BENZOATE					
Route of exposure	Result	Method	Exposure time	Species	Source
	Slightly irritating	in vivo	24 hours	Rabbit	ECHA

Serious eye damage/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date

03rd February 2025

Revision date

Version

1.0

Acute toxicity

ROSMARINUS OFFICINALIS WATER						
Parameter	Method	Value	Exposure time	Species	Environment	Source
ErL50	OECD 201	4.4 mg/l		Algae (Selenastrum capricornutum)		ECHA
EL50	OECD 202	3.6 mg/l		Aquatic invertebrates (Daphnia magna)		ECHA
LL50	OECD 203	3.4 mg/l		Fish (Oncorhynchus mykiss)		ECHA
NOEC	OECD 301F	82 mg/l		Microorganisms (Photobacterium phosphoreum)	Activated sludge	ECHA

SODIUM BENZOATE						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC50		30.5 mg/l		Algae (Selenastrum capricornutum)		ECHA

Chronic toxicity

SODIUM BENZOATE					
Parameter	Value	Exposure time	Species	Environment	
NOEC	75				

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

CITRIC ACID					
Parameter	Value	Exposure time	Environment	Result	Source
				Easily biodegradable	ECHA

SODIUM BENZOATE					
Parameter	Value	Exposure time	Environment	Result	Source
				Easily biodegradable	ECHA

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

CITRIC ACID						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Source
Log Kow	-1.6					ECHA

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date	03rd February 2025	Version	1.0
Revision date			

SODIUM BENZOATE						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Source
Log Kow	1.88					ECHA

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

Waste management legislation

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

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date 03rd February 2025
Revision date Version 1.0

SECTION 15: Regulatory information

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

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 as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

A safety assessment has not been made

SECTION 16: Other information

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

EUH208	Contains ROSMARINUS OFFICINALIS WATER. May produce an allergic reaction.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H371	May cause damage to the central nervous system if swallowed.
H411	Toxic to aquatic life with long lasting effects.

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
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
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
EL50	Effective Loading for 50 % of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods



SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

ROSEMARY HYDROLATE

Creation date	03rd February 2025	Version	1.0
Revision date			

IMO	International Maritime Organization
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
LL50	Lethal Loading for 50 % of tested organisms
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure
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
vPvM	Very persistent and very mobile

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 - calculation method.

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.
