



MATERIAL SAFETY DATA SHEET

Prepared in accordance with Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008 (CLP) – mixture not classified as hazardous.

Date of preparation: November 27, 2025

Version: 1.0

1. Identification of the substance/mixture and identification of the company

1.1. Product ID

Trade name: Thyme hydrolate

INCI name: Thymus vulgaris leaf water

Form: aqueous plant distillate (hydrolate), preserved.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses:

- raw material for the production of cosmetics (mists, tonics, masks, gels, creams, etc.),
- water phase in cosmetic recipes.

Uses advised against:

- do not use for consumption,
- do not use in pharmaceutical/medical applications without further evaluation,
- do not use in baby products without proper formula verification.

1.3. Details of the supplier of the safety data sheet

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1.4. Emergency telephone number

- General emergency number: 112

- Toxicological information: nearest poison control center/emergency room in accordance with local regulations.

2. Threat identification

2.1. Classification of the substance or mixture

In accordance with Regulation (EC) No 1272/2008 (CLP):

- the mixture is not classified as hazardous.

2.2. Labeling elements

Pictograms: none

Signal word: none

H phrases: not applicable

P-Returns: not applicable

2.3. Other threats

- May cause mild, transient skin or eye irritation in particularly sensitive individuals.

- Does not meet the PBT or vPvB criteria according to Annex XIII of REACH (based on available data for ingredients).

3. Composition/information on ingredients

Water mixture.

Ingredients:

- aqueous distillate of thyme herb/leaves (> 98%),
- sodium benzoate (approx. 0.10%),
- potassium sorbate (approx. 0.20%),
- citric acid (approx. 1.00%).

No additional undisclosed ingredients requiring classification.

4. First aid measures

4.1. Description of first aid measures

Inhalation:

- not applicable in normal use (water-based product, practically free of volatile vapors).

Skin contact:

- remove contaminated clothing,
- rinse the skin with water, if necessary with a mild detergent,
- in case of persistent irritation, consult a doctor.

Eye contact:

- immediately rinse eyes with plenty of water for at least 10–15 minutes, holding the eyelids open,
- remove contact lenses if present and easy to remove,
- if irritation persists, consult an ophthalmologist.

After swallowing:

- rinse your mouth with water,
- give a small amount of water to drink,
- DO NOT induce vomiting,
- if you feel unwell, contact a doctor and show the safety data sheet.

4.2. Most important acute and delayed symptoms and effects of exposure

- mild skin and eye irritation,

- sensitive people may experience slight burning and redness.

4.3. Indications for immediate medical attention

- Treat symptomatically. If in doubt or if symptoms persist, consult a doctor.

5. Firefighting procedures

5.1. Extinguishing media

Suitable extinguishing media:

- water spray, foam, extinguishing powder, carbon dioxide (CO₂) – select according to flammable materials in the surroundings.

5.2. Special hazards arising from the substance or mixture

- the product itself is non-flammable (aqueous solution),
- in the event of a fire in the surroundings, decomposition products of organic trace components may be formed: carbon oxides (CO, CO₂).

5.3. Information for the fire brigade

- use standard personal protective equipment,
- in the event of a large fire, use a self-contained breathing apparatus.

6. Procedure in case of accidental release into the environment

6.1. Personal precautions

- maintain basic hygiene rules,
- in case of large spills, wear protective gloves.

6.2. Environmental precautions

- do not allow large quantities to enter sewage systems and watercourses without dilution,
- small quantities are biodegradable and do not pose a significant threat to the environment.

6.3. Methods and materials to prevent the spread of contamination

- collect the spilled product using absorbent material (sand, diatomaceous earth, inert material),
- dispose of the collected material in accordance with local regulations,
- rinse the residue with water.

7. Handling and storage of the substance/mixture

7.1. Precautions for safe handling

- avoid microbiological contamination (work with clean tools, avoid blowing air into the packaging),
- avoid prolonged contact with eyes,
- use as intended in cosmetic recipes.

7.2. Safe storage conditions

- store in tightly closed packaging,
- recommended temperature: 10–20°C,
- protect from sunlight and heat sources,
- after opening, it is recommended to use it as soon as possible or store it in a cool place.

7.3. Specific end uses

- raw material for the production of cosmetics; detailed recommendations for use – according to the recipe documentation and recommendations of the cosmetic manufacturer.

8. Exposure Controls/Personal Protective Equipment

8.1. Control Parameters

- No OEL / OELCh / OEL values established for ingredients in this form of mixture.

8.2. Exposure Control

Respiratory protection:

- not required for normal use.

Hand protection:

- for normal operation with small quantities – usually not required;

- in case of prolonged contact or work on a production line, it is recommended to use disposable protective gloves (e.g. nitrile).

Eye protection:

- for typical use as a cosmetic raw material it is not required;

- in production conditions (large quantities, risk of splashing) safety glasses are recommended.

Skin protection:

- work clothes that protect against dirt.

Occupational hygiene:

- follow general hygiene rules: do not eat, drink or smoke while working with the product, wash your hands after finishing work.

9. Physical and chemical properties

- Form: liquid

- Appearance: clear, transparent liquid

- Fragrance: delicate, herbal, thyme

- pH: 4.0 – 6.0

- Boiling point: approx. 100°C

- Flash point: not applicable (water product)

- Relative density (20°C): 0.98 – 1.01 g/ml

- Solubility: completely miscible with water

- Explosive/oxidizing properties: the product is not explosive and does not exhibit oxidizing properties.

10. Stability and reactivity

10.1. Reactivity / 10.2. Chemical stability

- the product is stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

- no dangerous reactions are known in contact with typical packaging materials.

10.4. Conditions to Avoid

- excessive heating,
- prolonged exposure to sunlight,
- microbiological contamination (contact with dirty tools, packaging).

10.5. Incompatible Materials

- strong oxidizers – generally avoid deliberate mixing.

10.6. Hazardous decomposition products

- in case of fire: carbon oxides (CO, CO₂).

11. Toxicological information

11.1. Information on toxicological effects

Water mixture, based on plant hydrolate, preserved – not classified as hazardous.

Possible effects:

- skin irritation: unlikely, possible in sensitive people,
- eye irritation: possible upon direct contact, usually mild and transient,
- allergy: no data indicating the allergic effect of the mixture; people particularly sensitive to plant ingredients should perform a patch test.

No data on the acute toxicity of the mixture; assessment based on the ingredients and the nature of the product.

12. Ecological information

- Biodegradable product, based on water and natural plant trace ingredients,
- does not pose a threat to the environment during typical use,
- large quantities should not be poured undiluted into watercourses.

13. Waste management

- Small amounts of the product can be diluted with large amounts of water and discharged into the sewage system, in accordance with local regulations,
- larger quantities of the product and used sorbents should be transferred to an authorized waste collector,
- once completely empty, the packaging can be recycled or disposed of in accordance with local regulations.

14. Transport Information

The product is not classified as dangerous for transport (ADR/RID/IMDG/IATA).

- UN number: not applicable,
- packing group: not applicable,
- hazard class: not applicable.

15. Information regarding legal regulations

Safety Data Sheet – Thyme Hydrolate | EcoFlores

- product intended as a cosmetic raw material,
- this safety data sheet has been prepared in accordance with the provisions of:
- Regulation (EC) No 1907/2006 (REACH),
- Regulation (EC) No 1272/2008 (CLP),
- Regulation (EC) No 1223/2009 on cosmetic products (for application).

The safety data sheet is for information purposes only and does not replace the cosmetic product documentation.

16. Other information

- Card prepared on the basis of data from the raw material manufacturer and literature information.
- The user is responsible for using the product in accordance with applicable regulations and for carrying out a risk assessment under specific conditions of use.