

1. Identification of the substance

Trade name: Yarrow oil (*Achillea millefolium* L.)

CAS: 84082-83-7

EC: 282-030-6

FEMA: 3117

Usage: Cosmetics & Fragrance

2. Composition / information on ingredients

General chemical description:

Natural substance obtained by the distillation of the herb of *Achillea millefolium* L., Asteraceae.

Declaration of the ingredients:

Ingredient	CAS	EC	Value , %
Cineole	470-82-6	207-431-5	5,7 – 36,7
Chamazulene	529-05-5	208-449-6	< 31,5
Camphor	464-49-3	207-355-2	1,2 – 20,6
Borneol	507-70-0	208-080-0	2,0 – 15,0
Caryophyllene	87-44-5	201-746-1	0,1 – 12,0
Limonene	5989-27-5	227-813-5	< 10,7

3. Possible product risks

Primary entry routes:

Inhalation and skin contact.

Undiluted material may be irritating to skin and eyes.

Prolonged or repeated skin contact may cause allergic dermatitis.

R-phrases R 36 , 38 , 43

4. First-aid measures

General information:

In case of adverse health effects seek medical advice.

After inhalation:

Remove to fresh air immediately.

After eye contact:

Irrigate with water for at least 10 minutes. Obtain medical advice if irritation persists.

After skin contact:

Remove contaminated clothes. Wash affected area with water.

Obtain medical advice if irritation persists.



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5. Fire fighting measures

Suitable extinguishing media:

Foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Do not use water on the burning material, although it may be used to cool containers exposed to heat.

Special protection equipment for fire-fighters:

Wear respiratory protection equipment according to ambient air conditions.

Unusual fire hazards None

Hazardous combustible decomposition products None

6. Accidental release measures

Personal precautions:

The product may cause slipping.

Environmental precautions:

Do not empty into drains / surface water / ground water.

7. Handling and storage

Handling:

Avoid open flames.

Avoid pouring of the product in closed premises.

Do not use plastic containers.

Storage:

Keep container tightly sealed. Store in a cool, dry and dark place.

8. Exposure controls / personal protection

Ventilation: General

Skin protection: Gloves, oil or chemical resistant

Eye protection: Splash-resistant safety glasses

Avoid skin / eyes / clothes contact.

9. Physical and chemical properties

Designation	Value
Appearance	Liquid
Colour	Yellow-brown, yellow-green to green-blue
Odour	Specific, spicy, with camphor note
Melting point	N / A
Vapour pressure	N / A
Vapour density	N / A
Flash point	N / A
Density	20 °C) 0,8900 – 0,9372 g / cm ³

10. Stability and reactivity

Materials to avoid:

None known if used properly.

Dangerous decomposition products:

Does not decompose if used properly

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