SAFETY DATA SHEET

according to regulation (EC) 1907/2006
according to regulation (EU) 2015/830

1710 Chamomile roman

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier

Trade Name:	Chamomile roman
Botanical Name:	Anthemis nobilis
INCI:	Anthemis nobilis Flower Oil
CAS TSCA-No:	8015-92-7
CAS-No:	84649-86-5
EINECS-No:	283-467-5
FEMA-No:	2275

1.2 Relevant identified uses of the substance and uses advised against

Substance use: Perfumery and/or aromatic uses

1.3 Details of the supplier of the safety data sheet

Supplier name:	AYUS GmbH
Address:	Am Dreschschopf 1, 77815 Bühl, Deutschland
Phone:	+49 7227 600 99-0
Fax:	+49 7227 600 99-99
E-mail:	info@ayus.team

1.4 Emergency telephone number

Poison emergency number: +49 89-19240

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance according to regulation (EG) 1272/2008 (CLP)

Hazard class and Hazard category	Code	Hazard statement
Flammable liquids, category 3	H226	Flammable liquid and vapour.
Skin corrosion/irritation, category 2	H315	Causes skin irritation.
Respiratory/skin sensitisation, skin sensitisation category 1	H317	May cause an allergic skin reaction.
Causes serious eye damage/irritation, category 2	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, chronic category 2	H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictogram and signal word

			-	-

WARNING

H-Statements:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

P-Statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical /ventilating /lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust /fume /gas /mist /vapours /spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice /attention.
P333+P313 If skin irritation or rash occurs: Get medical advice /attention.
P337+P313 If eye irritation persists: Get medical advice /attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use CO_2 for extinction.
P391 Collect spillage.

Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

2.3 Other Hazards

Allergens (according to regulation (EC) No 1223/2009 on cosmetic products)

Allergens	Concentration
Limonene	0,1 - 4 %
Geraniol	< 0,1 %
Linalool	< 0,2 %
Eugenol	< 0,2 %
Citronellol	< 0,1 %

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Identification: Anthemis nobilis
(100% natural essential oil)

Hazardous constituent: according to EG-Regulation 1272/2008 (CLP)

Ingredient	Concentration	Registration-N.	CLP-Classification
alpha-Pinene	1 - 10 %	CAS-No: 80-56-8 EINECS-No: 201-291-9	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411
Benzaldehyde	< 1,5 %	CAS-No: 100-52-7 EINECS-No: 202-860-4	Acute Tox. 4 - H302
beta-Pinene	< 1 %	CAS-No: 127-91-3 EINECS-No: 204-872-5	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400
Camphene	< 1 %	CAS-No: 79-92-5 EINECS-No: 201-234-8	Flam. Sol. 1 - H228 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Citronellol	< 0,1 %	CAS-No: 106-22-9 EINECS-No: 203-375-0	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411
Eugenol	< 0,2 %	CAS-No: 97-53-0 EINECS-No: 202-589-1	Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Geraniol	< 0,1 %	CAS-No: 106-24-1 EINECS-No: 203-377-1	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Dam. 1 - H318
Isoamyl angelate	12 - 22 %	CAS-No: 10482-55-0 EINECS-No: 233-985-2	Aquatic Chronic 2 - H411
Isoamyl isobutyrate	2,5 - 5 %	CAS-No: 2050-01-3 EINECS-No: 218-078-1	Flam. Liq. 3 - H226
Isoamyl methacrylate	0,5 - 3 %	CAS-No: 7336-27-8 EINECS-No: 230-849-4	Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 STOT SE 3 - H335
Isobutyl Isobutyrate	2 - 9 %	CAS-No: 97-85-8 EINECS-No: 202-612-5	Flam. Liq. 3 - H226
Isobutyl methacrylate	< 3 %	CAS-No: 97-86-9 EINECS-No: 202-613-0	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335 Aquatic Acute 1 - H400
Isovaleric acid	< 3 %	CAS-No: 503-74-2 EINECS-No: 207-975-3	Skin. Corr. 1A, 1B, 1C - H314
Limonene	0,1 - 4 %	CAS-No: 138-86-3 EINECS-No: 205-341-0	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 1 - H410
Linalool	< 0,2 %	CAS-No: 78-70-6 EINECS-No: 201-134-4	Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 - H319
Methyl chavicol (Estragole)	< 0,9 %	CAS-No: 140-67-0 EINECS-No: 205-427-8	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Muta. 2 - H341 Skin Sens. 1 - H317

4. FIRST AID MEASURES

4.1 Description of first aid measures

Excessive inhalation: Remove to fresh air environment – summon a physician immediately.

Skin contact: Wash contaminated skin with copious amounts of water and soap. Remove contaminated clothes and wash them before reuse. Summon a physician, if an irritation appears.

Eye contact: Wash contaminated skin with copious amounts of water for at least 10 minutes – open eyelids forcibly. Summon a physician immediately.

Ingestion: Dilute with water. Do not induce vomiting. Contact physician.

4.2 Most important symptoms and effects, both acute and delayed

No further details.

4.3 Indication of any immediate medical attention and special treatment needed

Contact a poison specialist immediately if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Advised extinguisher: Use CO_2, dry powder, fire extinguisher or foam.

Unadvisable extinguisher: Direct jet of water.

5.2 Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air.Containers may explode with the heat of fire.
Burning will cause strong smoke and soot.
Avoid breathing vapours and smokes produced by fire.

5.3 Advice for firefighters

Do not attempt to fight the fire with water, which tends to feed rather than smother the flames. Essential oils have the ability to float on water and this causes the fire to propagate more quickly.
Small fires can be smothered by covering with earth, sand or a blanket.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin, eye and clothes contact. There is a risk of sliding caused by the leaked product. Ventilate well spilling area. Keep away from sources of ignition.

6.2 Environmental precautions

Avoid dispose into drainage, sewer system or in any natural environment. Dispose binding material, cloths and sponges according to the national law.

6.3 Methods and material for containment and cleaning up

Use of absorbent material (e.g. sand, diatomaceous earth).

6.4 Reference to other sections

Please see section 8 and 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ventilate the storage and preparation warehouse/laboratory. Avoid eating, drinking and smoking in the places where products are stored and treated. Manipulate with caution to avoid any projection particularly in eyes and on mucous membranes. Do not expose vapors to the flame or quite other source of ignition. Do not inhale warm vapors.

7.2 Conditions for safe storage, including any incompatibilities

It is recommended to keep the product in a water-tight and air-tight container. Keep away from heat and sunlight. Store in a cool and good ventilated area.

7.3 Specific end uses

No specific.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Please pay attention to the usual precautionary measures with the contact of essential oils. Use good hygiene practice:

Please wash before contact, before eating and at the end of the working day.

8.2 Exposure controls
Personal protective equipment:

Breathing protection:	Use in well aired areas.
Eye protection:	Safety glasses.
Hand protection:	Protecting gloves.
Skin protection:	Avoid skin contact. Protective suit should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Color:	colorless to greenish yellow
Appearance:	oily liquid
Odor:	characteristic, fruity
pH-value:	5-6
Flash point:	52°C
Water solubility:	Insoluble
Steam pressure:	Unavailable
Initial boiling point and boiling range:	Unavailable
Relative density at 20 °C:	0,880 - 0,920
Refractive index at 20 °C:	1,437 - 1,447
Optical rotation at 20 °C:	- 2,5° to + 6°

9.2 Other information:
Main components: Anthemis nobilis Flower Oil

10. STABILITY AND REACTIVITY

10.1 Reactivity
This product is stable under normal usage conditions.

10.2. Chemical stability
This product is stable under normal usage conditions.

10.3 Possibility of hazardous reactions
None according to our knowledge.

10.4 Conditions to avoid
Do not expose to high temperature or ignition.

10.5 Incompatible materials
Avoid flammable materials, PVC.

10.6 Hazardous decompositions products
Nothing in proper storage conditions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Toxicological specifications of the important substances:

Chemical description	Oral LD50	Dermal LD50	Inhalation LC50
2-methylbutyl Angelate	/	/	/
2-methylbutyl Methacrylate	/	/	/
alpha-Pinene	3.700 mg/kg (rat)	> 5.000 mg/kg (rabbit)	/
Benzaldehyde	1.300 mg/kg (rat)	/	/
beta-Pinene	4.700 mg/kg (rat)	/	/
Camphene	5.000 mg/kg (rat)	> 2.500 mg/kg (rabbit)	/
Citronellol	3.450 mg/kg (rat)	2.650 mg/kg (rabbit)	/
Eugenol	1.930 mg/kg (rat)	/	/
Geraniol	3.600 mg/kg (rat)	> 5.000 mg/kg (rabbit)	/

Isoamyl angelate	/	/	/
Isoamyl isobutyrate	/	/	/
Isoamyl methacrylate	/	/	/
Isobutyl Angelate	/	/	/
Isobutyl Isobutyrate	12.800 mg/kg (rat)	8.600 mg/kg (rabbit)	/
Isobutyl methacrylate	9.590 mg/kg (rat)	> 17.760 mg/kg (Guinea pig)	/
Isovaleric acid	/	/	/
Limonene	5.300 mg/kg (rat)	/	/
Linalool	2.790 mg/kg (rat)	5.610 mg/kg (rabbit)	/
Methyl chavicol (Estragole)	1.230 mg/kg (rat)	> 5.000 mg/kg (rabbit)	/
Methylallyl angelate	/	/	/
Pinocarvone	/	/	/
trans-Pinocarveol	/	/	/

Skin corrosion/irritation:
H315 Causes skin irritation.

Serious eye damage/irritation:
H319 Causes serious eye irritation.

Respiratory or skin sensitization:
H317 May cause an allergic skin reaction.

Aspiration hazard:
No significant effects or critical hazards.

Germ cell mutagenicity:
No significant effects or critical hazards.

Carcinogenicity:
No significant effects or critical hazards.

Reproductive toxicity:
No significant effects or critical hazards.

STOT-single exposure
Unavailable data.

STOT-repeated exposure
Unavailable data.

Information on likely routes of exposure
Unavailable data.

Symptoms related to the physical, chemical and toxicological characteristics
Unavailable data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Unavailable data.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Use product only referred of good laboratory practice (GLP) to insure that it is not released into the environment.
According to regulation 1272/2008:

H411 Toxic to aquatic life with long lasting effects.

Daphnies toxicity (EC50):

No further relevant information available.

12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):
No further relevant information available.

Partition coefficient n-octanol / water (log KO/W)
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
No further relevant information available.

12.6 Other adverse effects
No further relevant information available.

13. DISPOSAL CONSIDERATION
13.1 Waste treatment methods
Waste should be recycled or disposed of according to the legislation in force, preferably by an approved recycling or waste treatment company.

14. TRANSPORT INFORMATION
14.1 UN-number
1266

14.2 UN proper shipping name

Land transport:	ADR/RID; PERFUMERY PRODUCTS with flammable solvents
Transport by sea:	IMDG/IMO; PERFUMERY PRODUCTS with flammable solvents
Transport by air:	ICAO/IATA; PERFUMERY PRODUCTS with flammable solvents

14.3 Transport hazard class

ADR/RID:	Class 3
IMDG/IMO:	Class 3
ICAO/IATA:	Class 3

14.4 Packing group

ADR/RID:	Packing group III
IMDG/IMO:	Packing group III
ICAO/IATA:	Packing group III

14.5 Environmental hazards
IMDG - Sea pollutant: Yes

14.6 Special precautions for user
Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
Not applicable.

15. REGULATORY INFORMATION
15.1 Safety, health and environmental regulations (legislation) specific for the substance or mixture
Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances and its subsequent amendments.

Directive 1999/45/EC of the European Parliament concerning the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous preparations and its subsequent amendments.
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work preparations.
Directive 2003/15/EC
Directive 2006/8/EC
Directive 91/322/EEC
Directive 2000/39/EC
Regulation (EC) No 1907/2006 (REACH) and its subsequent amendments
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 790/2009
Directive 2003/105/EC - Protection of workers - Control of major-accident hazards involving dangerous substances and its subsequent amendments
German Regulation on Substances Hazardous to Water 2005 (VwVwS),

15.2 Chemical safety assessment
Not relevant.

16. OTHER INFORMATION

Latest changes
This data sheet replaces all previous editions. The content of the SDS is regulated by the Regulation (EC) n°1907/2006 (REACH).

Common shortened form:

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
CLP:	Classification, Labeling, Packaging
EINECS:	European Inventory of Existing Commercial Chemical Substances
FEMA:	Federal Emergency Management Agency
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals
IATA:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
ICAO:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
IMDG:	International Maritime Code for Dangerous Goods
IMO:	International Maritime Organization
INCI:	International Nomenclature of Cosmetic Ingredients
LC50:	Lethal Concentration for 50 percent of the test population
LD50:	Lethal Dose for 50 percent of the test population
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
PBT:	Persistent Bioaccumulating Toxicants
vPvB:	Very Persistent and Very Bioaccumulative Substance
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
TSCA:	Toxic Substances Control Act

Hazard statements according to regulation (EC) 1272/2008 (CLP):

Code	Description
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Precaution statements according to regulation (EC) 1272/2008 (CLP):

Code	Description
Prevention:	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical /ventilating /lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust /fume /gas /mist /vapours /spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response:
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice /attention.
P333+P313 If skin irritation or rash occurs: Get medical advice /attention.
P337+P313 If eye irritation persists: Get medical advice /attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use CO_2 for extinction.
P391 Collect spillage.

Storage:
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.

Disposal:
P501 Dispose of contents/container in accordance with local regulation.

Training advice:

Possible hazards:	see section 2
First aid measures:	see section 4
Firefighting measures:	see section 5
Personal protection equipment:	see section 8
Waste treatment methods:	see section 13

The information this contains is based on the state of our knowledge about the product concerned at the time of update. They are given in good faith. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other Materials or in any process, unless specified in the text. Even though precaution has been taken to ensure accuracy of data, no guarantee can be given. Because data's are taken partly from other sources.

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