

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

Anise Oil (biol.)

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

1.1 Product identifier

Product name: Anise Oil (biol.)

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

Relevant identified uses:

Attractant

Uses advised against:

No information available

1.3 Details of the supplier of the safety data sheet

Hagopur AG
Max-Planck-Str. 17
D-86899 Landsberg am Lech
Phone: +49 (0)8191 9472010
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Information providing department: Product management
E-Mail: info@hagopur.de

1.4 Emergency telephone number

GIZ-Nord Poisons Center Göttingen: +49 (0)551 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin Sens. 1	H317: May cause an allergic skin reaction
Aquatic Chronic 3	H412: Harmful to aquatic life with long lasting effects

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms:



Hazardous components for labelling: Anise oil

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Signal word WARNING

Hazard statements

H317 May cause an allergic skin reaction
H412 Harmful to aquatic life with long lasting effects

Precautionary statements

P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 IF ON SKIN: Wash with plenty of water
P333+P313 If skin irritation or rash occurs: Get medical advice/attention

2.3 Other hazards

No further information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

CAS No. EC No. REACH No.	Chemical name Classification according to Regulation (EC) No. 1272/2008	Quantity
4180-23-8	(E)-Anethole	2.5 – < 10 %
224-052-0	Aquatic Chronic 2, H411	
01-2119979097-22		
84650-59-9	Anise oil (span.)	1 – < 5 %
283-518-1	Skin Sens. 1, H317; Aquatic Chronic 2, H411	
01-2120230257-63		

Full text of H and EUH phrases: see section 16

Specific concentration limits, M-factors and ATE

CAS No. EC No.	Chemical name Specific concentration limits, M-factors and ATE	Quantity
4180-23-8	(E)-Anethole	2.5 – < 10 %
224-052-0	dermal: LD50 > 4900 mg/kg; oral: LD50 = 2090 mg/kg	
84650-59-9	Anise oil (span.)	1 – < 5 %
283-518-1	dermal: LD50 > 2000 mg/kg; oral: LD50 = 2000 – 2500 mg/kg	

SECTION 4: First aid measures

4.1 Description of first aid measures

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General information:

Take off immediately all contaminated clothing. Call a doctor if you feel unwell.

After inhalation:

Provide fresh air. In case of symptoms call a doctor.

After contact with skin:

After contact with skin, wash immediately with water and soap. Call a doctor if skin irritation occurs.

After contact with eyes:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

First aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Foam, Carbon dioxide (CO₂), extinguishing powder.

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO_x).
May form flammable vapour-air mixtures.

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus and chemical protective clothing.

Additional information:

Use water spray jet to protect personnel and to cool endangered containers.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe vapour/spray. Avoid contact with eyes, skin and clothing. Keep ignition sources away.

For non-emergency personnel:

Remove persons to safety.

6.2 Environmental precautions

Do not allow to enter drains or waterways. Do not allow to enter soil/subsoil.

6.3 Methods and material for containment and cleaning up

Provide adequate ventilation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on protection against fire and explosion:

Keep away from sources of ignition – no smoking. Vapours can form explosive mixtures with air. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Keep only in the original container in a cool, well-ventilated place.

Advice on storage compatibility:

Do not store together with: oxidizing agents.

Further information on storage conditions:

see product label

7.3 Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

Appropriate engineering controls:

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Protective and hygiene measures:

Common precautionary measures have to be observed when handling chemical substances. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately.

Eye/face protection: Safety goggles.

Hand protection: Tested protective gloves must be worn.

Suitable material: NBR (nitrile rubber) (0.5 mm, breakthrough time > 480 min.)

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Skin protection: Anti-static clothing.

Respiratory protection: Respiratory protection necessary at: insufficient ventilation.

Suitable respiratory protective equipment: combination filter (DIN EN 141)

Thermal hazards: not relevant.

Environmental exposure controls:

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined
pH value (20 °C):	Not determined
Melting point:	Not determined
Boiling point:	Not determined
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not applicable
Explosive properties:	Not explosive
Explosion limits:	Not applicable
Vapour pressure (20 °C):	Not determined
Vapour density:	Not determined
Density (20 °C):	Not determined

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Water solubility / miscibility:	Practically insoluble
Partition coefficient (n-Octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Viscosity, dynamic (20 °C):	Not determined
Oxidizing properties:	No

9.2 Other information

None.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Keep away from: oxidizing agents, strong.

10.5 Incompatible materials

No information available.

10.6 Hazardous decompositions products

Carbon monoxide, Carbon dioxide, Nitrous oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Based on available data, the classification criteria are not met.

Exposure routes	Parameter	Method	Value	Exposure time	Species	Value determination
(E)-Anethole						
Oral	LD50		2090 mg/kg		Rat	RTECS

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Dermal	LD50		> 4900 mg/kg		Rabbit	VO (EC) Nr. 440/2008 B.3
Inhalative	LC50		>= 5.1 mg/l	4 h	Rat	OECD 403
Anise oil (span.)						
Oral	LD50		2000 - 2500 mg/kg		Rat	ECHA
Dermal	LD50		> 2000 mg/kg		Rat	ECHA

Irritation and corrosivity:

Based on available data, the classification criteria are not met.

Sensitising effects:

May cause an allergic skin reaction.

Carcinogenic/mutagenic/toxic effects for reproduction:

Based on available data, the classification criteria are not met.

STOT – single exposure:

Based on available data, the classification criteria are not met.

STOT – 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

Endocrine disrupting properties:

None.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
(E)-Anethole					
Acute fish toxicity	LC50	7 mg/l	96 h	Danio rerio	
Acute crustacea toxicity	EC50	4.25 mg/l	48 h	Daphnia magna	
Anise oil (span.)					
Acute algae toxicity	ErC50	6.18 mg/l	72 h	Algae	ECHA
Acute crustacea toxicity	EC50	29.96 mg/l	48 h	Crustacea	ECHA

12.2 Persistence and degradability

There are no data available on the mixture itself.

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Method	Evaluation	Value	[d]	Source
(E)-Anethole				
OECD 301E	Readily biodegradable	79 %	28	

12.3 Bioaccumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

There are no data available on the mixture itself.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting effects

This mixture does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

Harmful to aquatic life with long lasting effects.

Further information:

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal:

Do not allow to enter drains. Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused product:

02 01 99 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing; wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing; wastes n.o.s.

Waste disposal number of contaminated packaging:

15 01 10 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances – classified as hazardous waste

Contaminated packaging:

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

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Land transport (ADR/RID)

14.1 UN number:	No dangerous good in sense of this transport regulation
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation
14.4 Packing group:	No dangerous good in sense of this transport regulation

Inland waterways transport (ADN)

14.1 UN number:	No dangerous good in sense of this transport regulation
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation
14.4 Packing group:	No dangerous good in sense of this transport regulation

Marine transport (IMDG)

14.1 UN number:	No dangerous good in sense of this transport regulation
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation
14.4 Packing group:	No dangerous good in sense of this transport regulation

Air transport (ICAO)

14.1 UN number:	No dangerous good in sense of this transport regulation
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation
14.4 Packing group:	No dangerous good in sense of this transport regulation

14.5 Environmental hazards

Environmentally hazardous: no

14.6 Special precautions for user

See sections 6 – 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable.

SECTION 15: Regulatory information

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

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National regulatory information:

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 – water contaminating

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008:

Skin Sens. 1, H317 Calculation method

Aquatic Chronic 3, H412 Calculation method

Relevant H- and EUH-phrases (number and full text):

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

Further information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.