

Safety Data Sheet

ANISALDEHYDE NATURAL ISOLATE



According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

Version:1
Version date:24/09/2021
Language:EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name/designation : ANISALDEHYDE NATURAL ISOLATE
CAS No : 123-11-5

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

Relevant identified uses : For Fragrance and Flavour use.

1.3. Details of the supplier of the safety data sheet

Supplier : Name: Hermitage Oils srl
Street: Località Petrognano 14, 52100 Arezzo (AR)
Country: Italy
Telephone: +39 (0) 575 362831
E-mail: info@hermitageoils.com

1.4. Emergency Telephone Number

Italy: Bergamo: +39 (0) 800 883 300, Florence: +39 (0) 55 794 7819, Foggia: +39 (0) 881 732 326, Genoa: +39 (0) 10 563 62 45, Milan: + 39 (0) 02 6610 1029, Padua: +39 (0) 49 827 50 78, Pavia: +39 (0) 38 224 444, Rome: +39 (0) 06 305 43 43, Turin: +39 (0) 011 663 7637

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Hazards identification

This mixture is not classified as dangerous.

2.2. Label elements

Labelling

Hazard pictograms -
Signal word -
Product identifiers -
Hazard Statements -
Supplemental Hazard information (EU) -
Precautionary Statements - General -
Precautionary Statements - Prevention -
Precautionary Statements - Response -
Precautionary Statements - Storage -
Precautionary Statements - Disposal -

2.3. Other hazards

Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

Substance	C (%)	Classification	Specific concentration limits	Note
anisaldehyde CAS N°:123-11-5 EC N°:204-602-6 IDX N°:	C≤ 100.0%	-	-	-

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.eu/fr/candidate-liste-table>

3.3. Remark

Not available

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information	:	When in doubt or if symptoms are observed, get medical advice.
Following inhalation	:	No special measures are necessary. Provide fresh air.
Following skin contact	:	Wash with soap and water.
Following eye contact	:	In case of eye irritation consult an ophthalmologist. Rinse immediately carefully and thoroughly with eye-bath or water.
Following ingestion	:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	:	No special measures are necessary.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor : Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

5.2. Special hazards arising from the substance or mixture

- Non-flammable.

5.3. Advice for firefighters

- In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- No special measures are necessary.

6.2. Environmental precautions

- Ensure that waste is collected and contained.
- Contain leaks or spills within cabinets with removable trays.

6.3. Methods and material for containment and cleaning up

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

PROTECTIVE MEASURES

- No special measures are necessary.

Advices on general occupational hygiene

- Wash hands before breaks and after work.
- Remove contaminated, saturated clothing.

7.2. Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a dry, cool, and well-ventilated place.
- Keep container in upright position in order to prevent leakage.

7.3. Specific end uses

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

DNEL-/PNEC-values

- anisaldehyde:

DNEL worker

	short-term		long-term	
	systemic	Local	systemic	Local
Oral				
Dermal			3.33mg/kg bw/day	
Inhalation			5.88mg/m ³	

DNEL consumer

	short-term		long-term	
	systemic	Local	systemic	Local
Oral			1mg/kg bw/day	
Dermal			2mg/kg bw/day	
Inhalation			1.74mg/m ³	

PNEC

PNEC aquatic, freshwater	0.081mg/l
PNEC aquatic, marine water	0.0081mg/l
PNEC aquatic, intermittent release	0.81mg/l
PNEC sediment, freshwater	0.409mg/kg ww
PNEC sediment, marine water	0.0409mg/kg dw
PNEC soil	0.0967mg/kg dw
PNEC sewage treatment plant (STP)	4.5mg/l
PNEC air	
PNEC secondary poisoning	

8.2. Exposure controls**Appropriate engineering controls**

Not available

Personal protection equipment

Eye/face protection

: Suitable eye protection: Wear eye protection/face protection.

Skin protection

: **Hand protection:**

- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- 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.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Body protection: Use of protective clothing.

Respiratory protection

: Suitable respiratory protection apparatus: In case of inadequate ventilation wear respiratory protection.

8.3. Additional information

Protective and hygiene measures:

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless To Pale Yellow
Odour:	Not available
Odour threshold:	Not available
pH:	7
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	248°C
Flash point:	116°C
Evaporation rate:	Not available
Flammability:	Not Applicable
Upper/lower flammability or explosive limits:	1.4 Vol %
Vapour pressure:	0,029 Hpa (at 20 °c), 0,3 Hpa (at 50 °c)
Vapour density:	Not available
Relative density:	1.12 G/cm ³ (at 25 °c)
Solubility(ies):	2 2 G/l (at 20 °c)
Partition coefficient: n-octanol/water (Log KOC):	1.65
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Viscosity:	Not available
Explosive properties:	5,3 Vol. % (upper Explosion Limits)
Oxidising properties:	Not available

9.2. Other safety information

Ignition temperature: 220 °C.

Viscosity/dynamic (at 25 °C): 4,2 mPa·s.

Viscosity/kinematic (at 25 °C): 3,75 mm²/s.

Solvent content: 0%.

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 known hazardous reactions.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Not available

10.6. Hazardous decomposition products

No known hazardous decomposition products.

10.7. Additional information

Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

anisaldehyde (CAS: 123-11-5)

Species : Rat
Sex : Not available
Guideline : OECD 401

Subendpoint	Operator	Value	Unit
LD50:	=	3210	mg/kg bw

Conclusion : Not available

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

anisaldehyde (CAS: 123-11-5)

Species : Rabbit
Sex : Not available
Guideline : Not available
Exposure duration/value : Not available
Exposure duration/unit : Not available

Subendpoint	Operator	Value	Unit
LD50:	>	5000	mg/kg bw

Conclusion : Not available

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Not available

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not available

11.5. Eye damage

Data for mixture

Not available

Substances

Not available

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Not available

11.7. STOT SE

Data for mixture

Not available

Substances

Not available

11.8. STOT RE**Data for mixture**

Not available

Substances

Not available

11.9. Carcinogenicity**Data for mixture**

Not available

Substances

Not available

11.10. Reproductive and Developmental Toxicity**Data for mixture**

Not available

Substances

Not available

11.11. In vitro genotoxicity**Data for mixture**

Not available

Substances

Not available

11.12. Respiratory sensitisation**Data for mixture**

Not available

Substances

Not available

11.13. Additional information

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

The product is not: Ecotoxic.

Acute aquatic toxicity**Substances****anisaldehyde (CAS: 123-11-5)**

Animals/category	:	Fish
Species	:	Leuciscus idus (golden orfe)
Test duration	:	96
Unit	:	h
Guideline	:	DIN 38412, L15

Subendpoint	Value	Unit
LC50:	148,32	mg/L

Remarks : Not available

Animals/category	:	Algae
Species	:	Desmodesmus subspicatus.
Test duration	:	72
Unit	:	h
Guideline	:	OECD 201

Subendpoint	Value	Unit
ErC50:	61	mg/L

Remarks : Not available

Animals/category : Crustacea
 Species : Daphnia magna (Big water flea).
 Test duration : 48
 Unit : h
 Guideline : 79/831 EWG, C2 Annex V

Subendpoint	Value	Unit
EC50	82,8	mg/L

Remarks : Not available

Animals/category : bacteria
 Species : Activated sludge
 Test duration : Not available
 Unit : Not available
 Guideline : ISO 8192

Subendpoint	Value	Unit
-	850	mg/L

Remarks : Not available

12.2. Persistence and degradability

Not available

Biodegradation

Substances

anisaldehyde (CAS: 123-11-5)

Inoculum : Not available
 Guideline : OECD 301E
 Test duration : Not available
 Unit : Not available

Parameter	Degradation rate	Unit
-	97%	-

Remarks : Readily biodegradable - dose: 6

12.3. Bioaccumulative potential

Not available

Bioconcentration factor (BCF)

Substances

anisaldehyde (CAS: 123-11-5)

Species : Not available
 Guideline : Not available
 Log kow : 1.65

Bioconcentration factor (BCF)
-

Remarks : The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

Not available

12.6. Other adverse effects

Not available

12.7. Additional ecotoxicological information

Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

- Dispose of waste according to applicable legislation.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Dispose of waste according to applicable legislation.

Remark

- For recycling, contact manufacturer.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

The product is not hazardous according to the applicable transport regulations.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

14.6. Special precautions for user

Not regulated.

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

Not regulated.

14.8. Additional information

Not available

SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.
This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.
Not available

15.2. Chemical Safety Assessment

For this substance/mixture a chemical safety assessment is not required.
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
For this substance/mixture a chemical safety assessment has been elaborated.
For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: OTHER INFORMATION

Creation date:	24/09/2021
Version date:	24/09/2021
Printing date:	08/10/2021

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods Code.
DPD Dangerous Preparation Directive.
UN number: United Nations number.
No EC: European Commission Number.
ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.
ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.
CLP: Classification, labeling and packaging.
VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)Not available

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.