Ethylhexyl Methoxycinnamate

Safety Data Sheet
according to Regulation (EU) 2015/830
Date of issue: 5/31/2022

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

1.1. Product identifier

Product form	: Substance
Product name	:Ethylhexyl Methoxycinnamate
Other name	OCTYL METHOXY CINNAMATE Octyl 4-methoxycinnamate
EC-No.	: 629-661-9
CAS-No.	: 5466-77-3
Formula	: C18H26O3

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

1.2.1. Relevant identified uses

Use of the substance/mixture : For more detail information, please refer to Annex

1.2.2. Uses advised against

Restrictions on use : No information available

1.3. Details of the supplier of the safety data sheet

Company:	Unilong Industry Co.,Ltd.
Address	No.8 Bldg Shuntai, No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China
e-mail:	info@unilongindustry.com
TEL	0086-15668417750

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

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

Hazard pictograms (CLP)	: None
Signal word (CLP)	: None
Hazard statements (CLP)	: None.
Precautionary statements (CLP)	: None.

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: Composition/ information on ingredients

3.1. Substances

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-Ethylhexyl trans-4-methoxycinnamate	(CAS-No.) 5466-77-3 (EC-No.) 629-661-9	>99 - <100	Not classified
unknown impurities	-	> 0.0 — < 1.0	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Wash skin with plenty of water. Get medical advice if necessary.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Drink plenty of water. Get immediate medical advice/attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects : No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Alcohol resistant foam. Carbon dioxide. dry chemical powder. Dry powder. Foam.

Unsuitable extinguishing media : high volume water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation, especially in confined areas.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb spillage to prevent material damage.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. No open flames. No smoking.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep cool. Protect from sunlight. Store in a closed container. Store in a dry place. Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8.33 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	2.25 mg/kg bodyweight/day
Long-term - systemic effects, dermal	4.17 mg/kg bodyweight/day
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Yellow liquid.
Colour	: Pale yellow
Odour	: slight.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: -68.3 °C @101 325 Pa
Boiling point	: 382 °C @101 325 Pa
Flash point	: 204 °C @101 325 Pa
Auto-ignition temperature	: 392 °C @977 mBar
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 30 Pa at 154 °C
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 kg/m³@20°C
Solubility	: Water: 0.22 - 0.75 mg/l @21°C
Log Pow	: No data available

Log Kow	: > 6 @23°C
Viscosity, kinematic	: 99800 mm²/s
Viscosity, dynamic	: 99.8 mPa.s @20°C
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rat	> 126.3 mg/kg bw/day
LC50 inhalation rat (mg/l)	> 0.511 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
NOAEL (oral, rat, 90 days)	450 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit)	1500 mg/kg bodyweight

Aspiration hazard : Not classified

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
Viscosity, kinematic	99800 mm²/s

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
LC50 fish 1	> 100 mg/l Cyprinus carpio
EC50 Daphnia 1	> 0.0271 mg/l Daphnia magna
EC50 72h algae (1)	> 100 mg/l
NOEC chronic algae	> 32 mg/l

12.2. Persistence and degradability

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
Bioconcentration factor (BCF REACH)	433 (OECD TG 305)
Log Kow	> 6 @23°C

12.4. Mobility in soil

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)	
Log Koc	≈ 4.124

12.5. Results of PBT and vPvB assessment

2-Ethylhexyl trans-4-methoxycinnamate(83834-59-7)
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
2-Ethylhexyl trans-4-methoxycinnamate is not on the REACH Candidate List
2-Ethylhexyl trans-4-methoxycinnamate is not on the REACH Annex XIV List
Directive 2012/18/EU (SEVESO III)

15.1.2. National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on Turkish inventory of chemical
Listed on the TCSI (Taiwan Chemical Substance Inventory)

Germany

Reference to AwSV	: Water hazard class (WGK) awg, Generally hazardous to water (Classification according to AwSV; ID No. 2569)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: The substance is not listed

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose

PBT	STP	Sewage treatment plant

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product