

Safety Data Sheet

Copherol® 1250 C

Revision date : 2021/04/27

Version: 1.0

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(30533821/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Copherol® 1250 C

Recommended use of the chemical and restriction on use

Recommended use*: cosmetic ingredient

Unsuitable for use: Not intended for sale to or use by the general public.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
Kensing, LLC

Contact address:
2525 South Kensington Ave.
Kankakee, IL 60901, USA

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

Other means of identification

Synonyms: D-Alpha Tocopheryl Acetate
RRR-Alpha Tocopheryl Acetate

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Aquatic Chronic

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Hazardous to the aquatic environment - chronic

Label elements

Hazard Statement:

H413

May cause long lasting harmful effects to aquatic life.

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Precautionary Statements (Prevention):
P273 Avoid release to the environment.

Precautionary Statements (Disposal):
P501 Dispose of contents and container to hazardous or special waste collection point.

Hazards not otherwise classified

High risk of slipping due to leakage/spillage of product.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Soybean oil

CAS Number: 8001-22-7
Content (W/W): 7.0 - 10.0%
Synonym: No data available.

2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R*(4R*,8R*)]]-

CAS Number: 58-95-7
Content (W/W): 90.0 - 100.0%
Synonym: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R*(4R*,8R*)]]-

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Indication of any immediate medical attention and special treatment needed

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Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
carbon oxides, harmful vapours
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

No particular measures required.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective clothing and equipment.

Environmental precautions

Do not discharge into drains/surface waters/groundwater. Inform authorities in the event of product spillage to water courses or sewage systems.

Methods and material for containment and cleaning up

For large amounts: Rinse away with water.
Pick up spilled material and containerize for recovery or disposal.

7. Handling and Storage

Precautions for safe handling

Ensure adequate ventilation.

Protection against fire and explosion:

Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

No applicable information available.

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Suitable materials for containers: Stove-lacquer KNS L-35

Further information on storage conditions: Keep only in the original container. Keep container tightly closed and in a cool place. Keep container dry. Protect against heat. Protect from the effects of light. Protect from air.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Soybean oil	OSHA PEL	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ; TWA value 15 mg/m3 Total dust ; TWA value 5 mg/m3 Respirable fraction ;
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Advice on system design:

No special precautions necessary.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

9. Physical and Chemical Properties

Form:	viscous, oil
Odour:	mild, of vegetable oils
Odour threshold:	not determined
Colour:	yellow

	clear
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pH value:	not soluble
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Freezing point:	The product has not been tested.
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Melting point:	The product has not been tested.
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Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Melting point:	-28.0 °C
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Boiling point:	The product has not been tested.
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Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Boiling range:	200 - 220 °C (1,013.25 hPa)	(other)
Flash point:	> 200 °C	
Flammability:	hardly combustible	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	Study does not need to be conducted.	
Vapour pressure:	not determined	
Density:	0.94 - 0.95 g/cm3 (20 °C)	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not determined	
Viscosity, kinematic:	No data available.	
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	insoluble	
Solubility (qualitative):	slightly soluble solvent(s): Ethanol, miscible solvent(s): organic solvents, Vegetable oils, fats,	
Molar mass:	No data available.	
Evaporation rate:	not determined	

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

Avoid light. Avoid heat. See SDS section 7 - Handling and storage.

Incompatible materials

oxidizing agents, alkalies, atmospheric oxygen

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Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Type of value: LD50

Species: rat (male/female)

Value: > 10,000 mg/kg (Kensing-Test)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Inhalation

No data available.

Dermal

No data available.

Assessment other acute effects

Assessment of STOT single:

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

Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes. Not irritating to the skin.

Skin

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Species: Unspecified

Result: non-irritant

Method: other

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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Eye

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
Species: rabbit
Result: non-irritant
Method: Draize test
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Sensitization

Assessment of sensitization: A sensitizing effect on particularly sensitive individuals cannot be excluded.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: other
Literature data.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not met.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
Assessment of mutagenicity: Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity: Based on available Data, the classification criteria are not met.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
Assessment of carcinogenicity: Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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Reproductive toxicity

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Assessment of reproduction toxicity: Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Teratogenicity

Assessment of teratogenicity: Based on available Data, the classification criteria are not met.

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

Assessment of teratogenicity: Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish

LC50 > 100 mg/l (DIN EN ISO 7346-2)

Aquatic toxicity

Information on: Soybean oil

Assessment of aquatic toxicity:

The product has not been tested. It is a naturally occurring substance (e.g. in the metabolism of organisms), whose molecular structure is not supposed to have harmful effects.

Toxicity to fish

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12- trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*

LC50 (96 h) > 100 mg/l, Leuciscus idus (DIN 38412 Part 15)

The LC50 is higher than the solubility limit.

Assessment of terrestrial toxicity

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No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

OECD Guideline 209 EC0: > 100 mg/l

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
DIN 38412 Part 27 (draft) aerobic bacterium/EC0: > 100 mg/l
Literature data.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

The product has not been tested. The statement has been derived from the properties of the individual components.

Elimination information

Not readily biodegradable (by OECD criteria).

Elimination information

Information on: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate, [2R-[2R(4R*,8R*)]]-*
< 70 % DOC reduction (28 d) (other)

Bioaccumulative potential

Assessment bioaccumulation potential

The product has not been tested.

Bioaccumulation potential

No data available.

Mobility in soil

Assessment transport between environmental compartments

No data available.

Additional information

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Must be dumped in accordance with local regulations. This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261.

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Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

Food TSCA, US released / exempt

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

State regulations

State RTK

PA

CAS Number

8001-22-7

Chemical name

Soybean oil

NFPA Hazard codes:

Health: 0 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 0 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

Kensing Product Regulations

SDS Prepared on: 2021/04/27

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring

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the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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