

Safety Data Sheet

Covi-ox® T-70 EU

Revision date : 2020/05/20

Version: 3.2

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(30533886/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Covi-ox® T-70 EU

Recommended use of the chemical and restriction on use

Recommended use*: antioxidant, Food industry

* 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:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: Mixed Tocopherol Concentrate

2. Hazards Identification

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

Classification of the product

No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

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Hazards not otherwise classified

High risk of slipping due to leakage/spillage of product. When finely distributed, self-ignition is possible.

3. Composition / Information on Ingredients

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

Sunflower oil

CAS Number: 8001-21-6

Content (W/W): 28.0 - 32.0%

Synonym: No data available.

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

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, foam, carbon dioxide, dry powder

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon oxides, harmful vapours

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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:

Cool endangered containers with water-spray. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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.

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.

Suitable materials for containers: High density polyethylene (HDPE), Stove-lacquer KNS L-35

Further information on storage conditions: Keep away from heat. Avoid direct sunlight. Keep in a cool place. Keep container dry. Keep only in the original container. Keep container tightly sealed.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

Sunflower oil	OSHA PEL	PEL 15 mg/m ³ Total dust ; PEL 5 mg/m ³ Respirable fraction ; TWA value 5 mg/m ³ Respirable fraction ; TWA value 15 mg/m ³ Total dust ;
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Advice on system design:

No special precautions necessary.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. 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:	oil, viscous	
Odour:	mild, of vegetable oils	
Odour threshold:	not determined	
Colour:	Yellowish to brownish red clear	
pH value:	insoluble	
Melting point:	not determined	
Freezing point:	not determined	
<i>Information on: Tocopherols</i>		
Melting point:	2.5 - 3.5 °C (1,013 hPa) Literature data.	(other)

Boiling point:	200 - 220 °C (0.1 mmHg)	
Sublimation point:	No applicable information available.	
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.	
SADT:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Vapour pressure:	No data available.	
Density:	0.93 - 0.95 g/cm ³ (20 °C)	
Vapour density:	not determined	

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Partitioning coefficient n-octanol/water (log Pow): <i>Information on: Tocopherols</i>	not applicable for mixtures	
Partitioning coefficient n-octanol/water (log Pow): -----	12.18 (25 °C)	(calculated)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	595 mPa.s (25 °C)	
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 (quantitative):	No applicable information available.	
Solubility (qualitative):	Negligible (< 0.1 %)	
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

When finely distributed, self-ignition is possible.

Conditions to avoid

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

Incompatible materials

atmospheric oxygen

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

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

Oral

Information on: Tocopherols

Type of value: LD50

Species: rat

Value: > 15,000 mg/kg (OECD Guideline 401)

No mortality was observed.

Inhalation

No data available.

Dermal

No data available.

Assessment other acute effects

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

Irritation / corrosion

Assessment of irritating effects: Avoid contact with the skin, eyes and clothing.

Information on: Tocopherols

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

Skin

Species: rabbit

Method: BASF-Test

No data available.

Eye

Species: rabbit

Method: BASF-Test

No data available.

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Tocopherols

Guinea pig maximization test

Species: guinea pig

Result: Non-sensitizing.

Method: similar to OECD guideline 406

Aspiration Hazard

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No data available.

Chronic Toxicity/Effects

Repeated dose toxicity

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

Information on: Tocopherols

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: Tocopherols

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

Genetic toxicity in vitro: negative

Carcinogenicity

Assessment of carcinogenicity: No data was available concerning carcinogenic activity.

Reproductive toxicity

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

Information on: Tocopherols

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

Teratogenicity

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

Information on: Tocopherols

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

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. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

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

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Aquatic invertebrates

Information on: Tocopherols
EC50 (48 h) > 23.53 mg/l, Daphnia magna (Screening (style of OECD 202), static)

Assessment of terrestrial toxicity

No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
OECD Guideline 209 EC0: > 100 mg/l

Information on: Tocopherols
DIN 38412 Part 27 (draft) aquatic
bacterium/EC10 (30 min): > 10,000 mg/l
The details of the toxic effect relate to the nominal concentration.

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: Tocopherols
60 - 70 % BOD of the ThOD (56 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated
sludge, domestic, non-adapted)

Bioaccumulative potential

Assessment bioaccumulation potential

Accumulation in organisms is not to be expected.
The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

No data available.

Mobility in soil

Assessment transport between environmental compartments

Information on: Tocopherols

The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is expected.

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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:

Observe national and local legal requirements.

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261.

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:

Food TSCA, US released / exempt

Chemical TSCA, US released / listed

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

8001-21-6

Chemical name

Sunflower oil

NFPA Hazard codes:

Health: 0 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 0 Flammability: 1 Physical hazard: 0

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16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2020/05/20

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