

Safety Data Sheet

Covi-ox® T-70

Revision date : 2017/02/16

Version: 2.0

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(30528313/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Covi-ox® T-70

Recommended use of the chemical and restriction on use

Recommended use*: dietary supplement; antioxidant

* 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.

Hazards not otherwise classified

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High risk of slipping due to leakage/spillage of product. When finely distributed, self-ignition is possible. The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

3. Composition / Information on Ingredients

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

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
8001-22-7	28.0 - 32.0%	Soybean oil

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Fresh air.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. If adverse health effects develop seek medical attention.

If in eyes:

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

If swallowed:

Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

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
The substances/groups of substances mentioned can be released in case of fire.

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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: Containers should be stored tightly sealed in a dry place.

Keep in a cool place. Keep away from heat. Avoid direct sunlight. Keep only in the original container.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

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

No special precautions necessary.

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Personal protective equipment

Respiratory protection:

Not applicable with adequate ventilation.

Hand protection:

No special protection needed under normal conditions of use.

Eye protection:

Safety glasses with side-shields.

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:	characteristic	
Odour threshold:	not determined	
Colour:	Yellowish to brownish red	
pH value:	insoluble	
Melting point:	not determined	
<i>Information on: Tocopherols</i>		
Melting point:	2.5 - 3.5 °C	(Regulation 440/2008/EC, A.1)

Boiling point:	200 - 220 °C (0.1 mmHg)	
Sublimation point:	No applicable information available.	
Flash point:	> 100 °C	
Flammability:	hardly combustible	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	not determined	
<i>Information on: Tocopherols</i>		
Autoignition:	420 °C	(Regulation 440/2008/EC, A.15)

Vapour pressure:	No data available.	
Density:	0.94 - 0.95 g/cm3 (20 °C)	
Vapour density:	not determined	
Partitioning coefficient n- octanol/water (log Pow):	not applicable for mixtures	
<i>Information on: Tocopherols</i>		
Partitioning coefficient n- octanol/water (log Pow):	12.18 (25 °C)	(other)

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	760 mPa.s (25 °C)
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 %)
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 MSDS 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

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

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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: > 2,000 mg/kg (OECD Guideline 401)

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

Type of value: LD50

Species: rat

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

Assessment other acute effects

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

Irritation / corrosion

Assessment of irritating effects: Contact may result in eye irritation. Not irritating to the skin.

Information on: Tocopherols

Assessment of irritating effects: Not irritating to eyes and skin. Prolonged contact with the product can result in skin irritation.

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

No data available.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: None known

Information on: Tocopherols

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Repeated oral exposure to large quantities may affect certain organs.

Genetic toxicity

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

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Information on: Tocopherols

Assessment of mutagenicity: No data available concerning mutagenic effects. The chemical structure does not suggest a specific alert for such an effect.

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: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The results of animal studies gave no indication of a fertility impairing effect.

Teratogenicity

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

Information on: Tocopherols

Assessment of teratogenicity: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Other Information

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

Symptoms of Exposure

No significant reaction of the human body to the product known.

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)

Aquatic invertebrates

Information on: Tocopherols

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

Analogous: Assessment derived from products with similar chemical character.

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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.

DIN EN ISO 8192 aerobic

activated sludge, domestic/EC20 (30 min): > 900 mg/l

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 (60 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted) Moderately/partially biodegradable.

Analogous: Assessment derived from products with similar chemical character.

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.

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.

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:

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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.

Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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): Not hazardous;

State regulations

State RTK

PA

CAS Number

8001-22-7

Chemical name

Soybean oil

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2017/02/16

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