

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

VITAMIN C THDA

1. Identification of the substance/mixture and company

Trade name: Vitamin C THDA
I.N.C.I. Tetrahexyldecyl Ascorbate
CAS No.: 183476-82-6
EC No.: No data
REACH pre-registration No.: No data
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Declaration of ingredients

Product Name: Tetrahexyldecyl Ascorbate

Synonym: VC-IP; Vitamin C tetra-isopalmitate; BV-OSC

Chemical Name: L-Ascorbicacid, tetrakis(2-hexyldecanoate); Ascorbyl tetra-2-hexyldecanoate

Chemical Formula: C70H128O10

Toxicological Data on Ingredients: Not available.

4. First aid measures

Eyes:

In case of eye contact, rinse with plenty of water and seek medical attention if necessary
Get medical advice/ attention.

Inhalation:

Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Flush with plenty of water and wash using soap.

Ingestion:

Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary

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5. Fire fighting measures

Suitable (and unsuitable) extinguishing media:

May be combustible at high temperature. Auto-ignition temperature (660°C). Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical:

These products are carbon oxides (CO, CO₂). As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions

Not available.

Methods and material for containment and cleaning up

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7. Handling and storage

Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities:

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

8. Exposure controls / personal protection

Personal Protection:

Eyes: Not required, but wear chemical safety glasses or goggles.

Inhalation: Not needed under normal conditions of use.

Body: Slip proof shoes may be worn where spills may occur

Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

Component: Tetrahexyldecyl ascorbate

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Exposure Limits: Not available.

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.

REL: Recommended Exposure Limit.

PEL: Permissible Exposure Limit.

STEL: Short Term Exposure Limit during x minutes.

IDLH: Immediately Dangerous to Life or Health.

WEEL: Workplace Environmental Exposure Levels.

CEIL: Ceiling.

9. Physical and chemical properties

Physical state and appearance: Liquid.

Odor: Mild, typical

Taste: Not available.

Molecular Weight: Not available.

Color: Clear to light yellow

pH: Not relevant

Boiling Point: Not available.

Melting Point: Not available.

Flash Point: Not available.

Specific Gravity: 0.93

Vapor Pressure: Not available.

Iodine Value: Not available.

Flammability: Not available.

Peroxide Value: Not available.

Solubility: Insoluble in water

10. Stability and reactivity

Reactivity: Product is stable

Chemical Stability: Product is stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid strong oxidizers

Incompatible Materials: No known

Hazardous Decomposition Products: No known

Special Remarks: None

11. Toxicological information

Acute Toxicity: Not available

Skin: Not expected to be hazardous

Eyes: May be irritant to the eyes

Respiratory: Not expected to be hazardous

Ingestion: Not expected to be hazardous

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Carcinogenicity: Not available
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available

Special Remarks: Ingestion of small amounts during normal industrial handling is a low hazard. Ingestion of large amounts may cause gastrointestinal tract irritation, hypermotility, diarrhea, acidification of the urine which may cause stones in the urinary tract, renal failure, somnolence, lacrimation, and anemia.

Chronic Potential Health Effects: Prolonged or repeated ingestion may affect the blood/bone marrow and metabolism. May also affect behavior (psychomotoric).

12. Ecological information

Ecotoxicity
Aquatic Vertebrate: Not available
Aquatic Invertebrate: Not available
Terrestrial: Not available

Persistence and Degradability: Not available
Bioaccumulative Potential: Not available

Mobility in Soil: Not available
PBT and vPvB Assessment: Not available

Other Adverse Effects: Not available

13. Disposal considerations

Waste Disposal:
Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14. Transport information

DOT (Dept. of Transportation, USA): Not regulated

TDG (Transportation of Dangerous Goods, Canada): Not regulated

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IMDG (International Maritime Dangerous Goods): Not regulated

IATA (International Air Transport Association): Not regulated

ICAO (International Civil Aviation Organization): Not regulated

15. Regulatory information

TSCA Inventory Status: TSCA 8(b) inventory: listed

DSCL (EEC): This product is not classified according to the EU regulations.

WHMIS (Canada): Not controlled under WHMIS (Canada)

16. Additional information

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.