

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name **Vitamin C Oil Soluble**
 Chemical name Tetrakis(2-hexyldecyl) ascorbate
 INCI name Tetrahexyldecyl Ascorbate
 CAS-No. 183476-82-6
 ECNo

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

Identified uses Ingredient for Cosmetics, Personal care

1.3. Details of the supplier of the safety data sheet

Local Contact Name Shay and Company
 10639 SE Fuller Rd
 Milwaukie OR 97222
 United States

1.4. Emergency telephone number CHEMTREC 1-800-424-9300

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture Compliant with EC CLP and OSHA requirements

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
 Human health Acute Tox 5 – H303, Eye Irrit 2-H319;
 Environment Not classified.

2.2. Label elements

Product identifier 99379
 Contains CAS 183476-82-6

Label In Accordance With (EC) No. 1272/2008



Signal Word WARNING

Hazard Statements
 H303 May be harmful if swallowed.
 H319 Causes serious eye irritation.

Precautionary Statements
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P264a Wash skin thoroughly after handling.

Vitamin C Oil Soluble Tetrahexyldecyl Ascorbate

P302+P352
P305+351+338

IF ON SKIN: Wash with plenty of water
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

P337+313
P362

If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

2.3 Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Tetrahexyldecyl Ascorbate > 95% w/w	CAS 183476-82-6	EC No.
Classification as per EC 1272/2008	Acute Tox 5	H303, Eye Irrit. 2 - H319

The Full Text for all H-Phrases and P Statements are displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

If medical advice is needed, have product container or label at hand. Inhalation

Move the exposed person to fresh air at once. If breathing stops, provide artificial respiration. Get medical attention. Ingestion

Rinse mouth thoroughly. Never give liquid to an unconscious person. Get medical attention if any discomfort continues. Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention. Eye contact

Important! Immediately rinse with water for at least 15 minutes. Hold eyelids apart. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. Inhalation.

Nonreported

Ingestion

May be harmful if swallowed.

Skin contact

Maybe absorbed through the skin.

Eye contact

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media

Waterspray. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO₂).

5.2 Special hazards arising from the substance or mixture

Vitamin C Oil Soluble Tetrahexyldecyl Ascorbate

Hazardous combustion products

Fire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective equipment for fire-fighters

Protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.. Avoid contact with skin and eyes. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Collect in containers and seal securely. Do not contaminate water sources or sewer.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with: Bases, alkalis (organic). Bases, alkalis (inorganic). Reducing Agents. Oxidising materials.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station. Engineering measures

Provide adequate general and local exhaust ventilation. Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with particle filter, type P1. Hand protection

Wear protective gloves. Eye protection

Wear approved safety goggles. Other Protection

Wear suitable protective clothing. Hygiene measures

When using do not eat, drink or smoke. Wash hands after handling. Wash contaminated clothing before reuse. Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear Liquid
Colour	Pale yellow
Odour	Characteristic
Solubility (Water)	
Boiling point	
Refractive Index	1.459–1.465 (25°C)
Relative density	0.930–0.943 g/cm ³ at 25°C
Vapour density (air=1)	
Vapour pressure	N.A.
Evaporation rate	
No information available.	
pH-Value, Diluted Solution	
Viscosity	No data
Flash point (°C)	
Auto Ignition Temperature (°C)	
No information available.	
Flammability Limit – Lower (%)	
No information available.	
Flammability Limit - Upper (%)	
No information available.	
Partition Coefficient (N-Octanol/Water)	
Oxidising properties	
Not available.	

9.2. Other informationMol formula: C₇₀H₁₂₈O₁₀

Mol Wt: 1129.7712

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity10.2. Chemical stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to Avoid

Bases, alkalis (organic). Bases, alkalis (inorganic). Reducing Agents. Oxidising materials.

10.6. Hazardous decomposition productsFire or high temperatures create: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

LD50 Oral Mouse No Info

Respiratory sensitisation : No information available.

Skin Irritation LD50 Rat, dermal::

Skin corrosion/irritation: May causes skin irritation

Eye damage/irritation: Rabbit: Causes serious eye damage (OECD 404)

Carcinogenicity

No information available.

Reproductive Toxicity

No information available.

STOT - Single exposure

No information available.

STOT-Repeated exposure

No information available.

Aspiration hazard

No information available.

Inhalation

LD50 No irritation to the respiratory system.

Ingestion

Maybe harmful if swallowed.

Skin contact

Maybe absorbed through the skin.

Eye contact

Causes serious eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity Acute Toxicity –

No data

12.2. Persistence and degradability

Degradability

The product is readily biodegradable.

2.3. Bioaccumulative potential

Bioaccumulative potential

Partition coefficient n-octanol/water: Bioaccumulation is not expected

12.4. Mobility in soil

Mobility: No details

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

Vitamin C Oil Soluble Tetrahexyldecyl Ascorbate

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not classified hazardous for transport

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport Labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issue Date Jac 2024

Hazard Statements In Full .

H303 May be harmful if swallowed

H319 Causes serious eye irritation.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P264a Wash skin thoroughly after handling.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.