

## Vitamin C (L-ascorbyl palmitate)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 05-Mar-2024  
Supersedes: 02-Jan-2023

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Vitamin C (L-ascorbyl palmitate)	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	L-Ascorbyl Palmitate	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	137-66-6	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified.												
<b>GHS Labeling:</b>	Not classified.												
<b>GHS Hazard Pictograms:</b>	None.												
<b>GHS Hazard Statements:</b>	None.												
<b>GHS Precautionary Statements:</b>	None.												
<b>Potential Health Hazards:</b>	Eyes: Not expected to be an irritant. Inhalation: Not expected to be an irritant. Skin: Not expected to be an irritant. Ingestion: Not expected to be an irritant.												
<b>NFPA Ratings (704):</b>	<table border="1"> <tr> <td>Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Reactivity</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	N/A	N/A	Flammability	N/A	N/A	Reactivity	N/A	N/A	Specific Hazard	N/A	
Health	N/A	N/A											
Flammability	N/A	N/A											
Reactivity	N/A	N/A											
Specific Hazard	N/A												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
L-Ascorbyl Palmitate	137-66-6	≥ 95.0%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Immediately flush thoroughly with water for at least 15minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if necessary.
<b>Inhalation:</b>	Move to fresh air and keep them calm. Seek medical attention.
<b>Skin:</b>	Flush skin with soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if necessary.
<b>Ingestion:</b>	Rinse mouth. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth with water. Seek medical attention if symptoms develop and persist.
<b>General Information:</b>	The material is not expected to be harmful. As a precaution, get medical advice/attention. Treat symptomatically and supportively.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (Use water spray jet, dry powder, carbon dioxide, or appropriate foam) for adjacent fire. No unsuitable extinguish media listed.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Specific hazards arising from the</b>	Emits toxic fumes under fire conditions. See also Stability and Reactivity section.

chemical:

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Remove ignition sources. Provide adequate ventilation. Avoid inhalation of vapor or dust. Avoid skin and eye contact. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keeping away from drains, surface-and ground-water and soil. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Use with adequate ventilation. Wash clothing before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid prolonged, or repeated, skin contact. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Preserve in airtight containers, protected from light, preferably between 46°F -59°F (8°C - 15°C). Keep the container closed when not in use. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Vitamin C (L-ascorbyl palmitate)	Not available	Not available	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

### Personal Protection:

<b>Eyes:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Inhalation:</b>	Follow the OSHA respirator regulations found in 29CFR1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.
<b>Body:</b>	Wear appropriate protective gloves to prevent skin exposure and full protective clothing to minimize contact with skin.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White to yellowish powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Almost odorless	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White to yellowish	<b>Flammability:</b>	Not flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Boiling Point/Range:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting Point/Range:</b>	107 °C - 117°C	<b>Water Solubility:</b>	Insoluble
<b>Bulk Density (kg/m<sup>3</sup>):</b>	0.15 - 0.25 g/cm <sup>3</sup>	<b>Other Solubility:</b>	Soluble in vegetable oils and ethanol
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	The substance does not react vigorously with reducing agent, so it does not belong to oxidizing substances.
<b>Chemical Stability:</b>	Under normal conditions, the product is stable. No hazardous reaction when handled and stored according to provisions. Hazardous reactions are not known.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Incompatible materials, light, dust generation, excess heat, strong oxidants, humidity.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Not data available.
<b>Possible Hazardous Reactions:</b>	Under normal conditions, not hazardous reactions will occur.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	LD50 (Oral, Rat): >10g/kg LD50 (Oral, Mouse): >20g/kg
<b>Skin:</b>	Not irritating.
<b>Eyes:</b>	Not irritating.
<b>Respiratory:</b>	Not irritating.
<b>Ingestion:</b>	No data available.
<b>Carcinogenicity:</b>	Not classified.
<b>Single Exposure (STOT):</b>	Not classified.
<b>Repeated Exposure (STOT):</b>	Not classified.
<b>Germ Cell Mutagenicity:</b>	Not classified.
<b>Reproductive Toxicity:</b>	Not classified.
<b>Respiratory/Skin Sensitization:</b>	Not sensitizing.
<b>Serious Eye Damage/Irritation:</b>	Not irritating.
<b>Skin Corrosion/Irritation:</b>	Not irritating.
<b>Aspiration Hazard:</b>	Not classified.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Moderately toxic for fish (suspension) (rainbow trout) LC50: (96 hours) 51 mg/l LC100: (96 hours) 100 mg/l LC0: (96 hours) 25 mg/l
<b>Aquatic Vertebrate:</b>	No data available.
<b>Aquatic Invertebrate:</b>	No data available.
<b>Terrestrial:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of contents in accordance with all applicable local regulations.
<b>Product Containers:</b>	If empty container retains product residues, all label precautions must be observed. Dispose of contents/container in accordance with all applicable local regulations.

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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated as dangerous goods.
<b>ADR/RID (Land Transport):</b>	Not regulated as dangerous goods.
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated as dangerous goods.
<b>IATA (International Air Transport Association):</b>	Not regulated as dangerous goods.
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated as dangerous goods.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	No data available.
<b>Other EU Regulations:</b>	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
<b>Chemical Safety Assessment:</b>	A chemical safety assessment has not been carried out.
<b>DSL (Canada):</b>	No data available.
<b>EU (EINECS):</b>	No data available.
<b>China (IECSC):</b>	No data available.
<b>Australia (AICS):</b>	No data available.
<b>Taiwan (TCSI)</b>	No data available.
<b>Japan (ENCS):</b>	No data available.
<b>Philippines (PICCS):</b>	No data available.
<b>Korea (ECL):</b>	No data available.
<b>New Zealand:</b>	No data available.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	05-Mar-2024
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.