

## Vitamin C (3-Glyceryl Ascorbate)

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

Revision Date: 27-Feb-2024  
Supersedes: 31-Aug-2024

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Vitamin C (3-Glyceryl Ascorbate)	<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>	3-glyceryl ascorbate, glycerin, water	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	1120360-11-3, 7732-18-5, 56-81-5	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Liquid		
<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: May be an irritant. Inhalation: No known hazard. Skin: No known hazard. Ingestion: No known hazard.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">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>
3-Glyceryl ascorbate	1120360-11-3	30%	Not Available
Glycerin	56-81-5	30%	Not Available
Water	732-18-5	40%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	In case of eye contact, rinse with plenty of water and seek medical attention if necessary.
<b>Inhalation:</b>	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.
<b>Skin:</b>	Flush with plenty of water and wash using soap.
<b>Ingestion:</b>	Rinse mouth. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if symptoms develop and persist.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Usual fire extinguish media (Water, carbon dioxide, extinguish powder etc.) 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>Flash Points:</b>	Not applicable (>100°C)
<b>Specific hazards arising from the chemical:</b>	The product may produce toxic fumes of carbon dioxide and carbon monoxide if burning.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Wear appropriate protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid flush into surface waters, public water, sanitary sewer system. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Wipe up with absorbent material. Soak up with inert absorbent material. Dispose of all waste and cleanup materials in accordance with regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Take the normal precautions for chemical product handling. Handle in a well-ventilated place without fire. Eating, drinking, and smoking are prohibited in work areas. Wash hands after use. Stir enough until uniform before use. Observe good industrial hygiene practices. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep it away from heat and direct sunlight. Don't keep it in a dirty container. Store locked up. Store in tightly closed container. Recommended storage temperature: Below 5°C. 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>
3-Glyceryl ascorbate	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>	Use protective glasses is recommended.
<b>Inhalation:</b>	Use respiratory mask is recommended.
<b>Body:</b>	Slip proof shoes may be worn where spills may occur.
<b>Other:</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light yellow to yellow-brown liquid	<b>Vapor Pressure:</b>	Not measured
<b>Odor:</b>	Odorless to faint characteristic odor	<b>Vapor Density:</b>	Not measured
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	Not measured
<b>Color:</b>	Clear to light yellow	<b>Flammability:</b>	Not flammable
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	Not flammable
<b>pH:</b>	Approx. 2-6	<b>Flash Point:</b>	Not applicable (>100°C)
<b>Boiling Point/Range:</b>	Not measured	<b>Specific Gravity:</b>	No data available
<b>Melting/Freezing Point:</b>	Not measured	<b>Water Solubility:</b>	Soluble
<b>Partition coefficient n-octanol/water:</b>	Not measured	<b>Auto-ignition Temperature</b>	Not auto-flammable

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No decomposition if used according to specifications.
<b>Chemical Stability:</b>	No decomposition if used according to specifications.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	Direct sunlight, heat
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.

Possible Hazardous Reactions: None known.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available.  
**Skin:** Non-irritant (Human Patch, 50% active solution in water)  
**Eyes:** Non-irritant (BCOP, 20% active solution in water)\*.  
**Respiratory:** Not expected to be hazardous.  
**Ingestion:** Not expected to be hazardous.  
**Carcinogenicity:** No data available  
**Teratogenicity:** No data available  
**Germ Cell Mutagenicity:** Non-mutagenic (Ames)\*  
**Embryotoxicity:** No data available  
**Specific Target Organ Toxicity:** No data available  
**Reproductive Toxicity:** No data available  
**Skin Sensitization:** Non-sensitizer (RIPT, 50% active solution in water)\*  
**Skin Corrosion/Irritation:** Non-irritant (Human Patch, 50% active solution in water)\*  
**Other:** \*Information of 3-glyceryl Ascorbate

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**  
**Aquatic Vertebrate:** No data available.  
**Aquatic Invertebrate:** No data available.  
**Terrestrial:** No data available.  
**Persistence and Degradability:** No data available.  
**Bioaccumulative Potential:** No data available.  
**Mobility in Soil:** No data available.  
**PBT and vPvB Assessment:** No data available.  
**Other Adverse Effects:** No data available.

## 13 DISPOSAL CONSIDERATIONS

**Waste Residues:** 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  
**IMDG (International Maritime Dangerous Goods):** Not regulated  
**IATA (International Air Transport Association):** Not regulated  
**ICAO (International Civil Aviation Organization):** Not regulated

## 15 REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** No information.

## 16 OTHER INFORMATION

**Revision Date:** 27-Feb-2024

**Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

**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 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.