

# SDS (Safety Data Sheet)

## Vitamin C (sodium ascorbyl phosphate)

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

Revision Date: 13-Mar-2024  
Supersedes: 20-Apr-2022

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Vitamin C (sodium ascorbyl phosphate)	<b>Distributor:</b>	YouWish
<b>Synonyms:</b>	Sodium L-ascorbyl-2-phosphate, L-ascorbic acid-2-monophosphate, trisodium salt	<b>Address:</b>	Transistorstraat 91-2 1322 CL Almere, Netherlands
<b>INCI Name:</b>	Sodium Ascorbyl Phosphate	<b>Phone / Fax:</b>	+31 36 2036384
<b>CAS Number:</b>	66170-10-3	<b>Web:</b>	contact@youwish.nl
<b>Formula:</b>	C <sub>6</sub> H <sub>6</sub> Na <sub>3</sub> O <sub>9</sub> P	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Solid		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

Classification:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272		
Labeling:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272		
Hazard Pictograms:	None.		
Hazard Statements:	None.		
Precautionary Statements:	None.		
Potential Health Hazards:	Eyes: May cause eye irritation. Inhalation: May cause irritation of the respiratory tract. Skin: May cause skin irritation. Ingestion: May cause gastrointestinal irritation.		
NFPA Ratings (704):	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>
Sodium Ascorbyl Phosphate	66170-10-3	100%	322.05g/mol

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with water as a precaution. Seek medical attention if necessary.
<b>Inhalation:</b>	Move person into fresh air. If not breathing, give artificial respiration. Seek medical attention if necessary.
<b>Skin:</b>	Wash with soap and water. Seek medical attention if necessary.
<b>Ingestion:</b>	Rinse mouth with water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.) 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>Flash Points:</b>	No data available.
<b>Specific hazards arising from the chemical:</b>	Carbon oxides, Oxides of phosphorus, Sodium oxides.

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## 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment & emergency procedures: Environmental precautions:

Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.  
Avoid liquid release into drains, sewers/public water/environment. Notify environmental authorities in case of leak.  
Sweep up and shovel. Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

### Methods and material for containment and cleaning up:

## 7 HANDLING & STORAGE

### Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed. Take normal measures for preventive fire protection. Handle in accordance with good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment.

### Conditions for safe storage, incl. any incompatibilities:

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials (see section 10 for incompatibilities).  
Storage class (TRGS 510): Combustible Solids.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component

Vitamin C (sodium ascorbyl phosphate)

### Exposure Limits

Not available

### Basis

Not available

### Entity

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:

**Eyes:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 16.

**Inhalation:** Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN ((EU)).

**Body:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Wear full protective clothing, including boots.

**Other:** Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Solid or powder

### Odor:

Odorless

### Odor Threshold:

No data available

### Color:

White or pale yellow

### Molecular Weight:

No data available

### pH:

9.0 - 10.0

### Boiling Point:

No data available

### Melting/Freezing Point:

260°C (500°F)

### Bulk Density:

290 kg/m<sup>3</sup>

### Partition Coefficient: n-octanol/water:

log Pow: < - 4

### Viscosity:

No data available

### Vapor Pressure:

No data available

### Vapor Density:

No data available

### Evaporation Rate:

No data available

### Flammability:

No data available

### Upper/lower Explosive Limit:

No data available

### Flash Point:

No data available

### Specific Gravity:

No data available

### Water Solubility:

No data available

### Auto-Ignition Temperature:

No data available

### Decomposition Temperature:

No data available

### Explosive Limits/Properties:

No data available

## 10 STABILITY AND REACTIVITY

### Reactivity:

No data available.

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<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	No data available.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Hazardous decomposition products formed under fire conditions. Carbon oxides, oxides of phosphorus, sodium oxides, other decomposition products.
<b>Possible Hazardous Reactions:</b>	No data available.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	No data available.
<b>Eyes:</b>	No data available.
<b>Respiratory:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
<b>IARC:</b>	
<b>Teratogenicity:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	No data available.
<b>Embryotoxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	No data available.
<b>Reproductive Toxicity:</b>	No data available.
<b>Respiratory/Skin Sensitization:</b>	No data available.
<b>Corrosivity:</b>	No data available.
<b>Sensitization:</b>	No data available.
<b>Irritation:</b>	No data available.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<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>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
<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. 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.
<b>Product Containers:</b>	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

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated as dangerous goods.
<b>ADR/RID (Transportation by Road &amp; Rail):</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>	No data available.

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## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Not Listed
<b>DSL (Canada):</b>	Not Listed
<b>EU (EINECS):</b>	Not Listed
<b>China IECSC:</b>	Listed
<b>Australia AICS:</b>	Listed
<b>Philippines PICCS:</b>	Not Listed
<b>Existing &amp; Evaluated Chemical Substances (KECI):</b>	Not Listed
<b>New Zealand (NZIoC):</b>	Listed
<b>California Prop. 65:</b>	No ingredients listed that are known to the State of California to cause cancer, reproductive toxicity in females, reproductive toxicity in males, or developmental toxicity.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	13-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.