

Vitamin E (dl-alpha tocopherol)

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

Revision Date: 23-Aug-2021
Supersedes: 24-Aug-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Vitamin E (dl-alpha tocopherol)	Distributor:	XI'AN AOGU BIOTECH CO.,LTD
Synonyms:	dl-alpha (all-rac-alpha) tocopheryl	Address:	Block B3,Jinye Times,No.32,East Section of Jinye Road, Yanta District,Xi'an Shaanxi 710065 China)
INCI Name:	dl-alpha tocopherol	Phone / Fax:	0086-29-89121514
CAS Number:	59-02-9	Web:	www.aogubio.com
Formula:	C ₂₉ H ₅₀ O ₂	Emergency Telephone Number:	0086-18091843361 (Chemtrec)
Product Form:	Liquid		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not a dangerous substance according to GHS
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards: Eyes: May cause eye irritation.
 Inhalation: Not expected to be irritant.
 Skin: May cause skin irritation.
 Ingestion: May cause gastrointestinal irritation.

NFPA Ratings (704):

Health	1	Slight
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
dl-alpha tocopherol	59-02-9	100%	430.71 g/mol

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15-20 minutes. If irritation persists get medical attention.
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: Give large quantities of water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (dry chemical, foam, carbon dioxide, water spray) for adjacent fire. Do not use water stream as it may splash burning liquid and spread fire.

Special protective equipment & precautions for firefighters: Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Flash Points: 93°C (199°F)

Specific hazards arising from the chemical: May emit toxic fumes under fire conditions. See also Stability and Reactivity section.

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.
 Prevent further leakage or spillage if safe to do so. Do not contaminate surface water.
 Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up:

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Prevent entry into waterways, sewers, basements or confined areas. Vacuum or sweep up material and place in a disposal container. Avoid dust formation. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. 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:

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place. Keep away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component

Exposure Limits

Basis

Entity

dl-alpha tocopherol

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: Safety glasses should be worn.
Inhalation: In case of open handling of larger quantities, wear particle mask or respirator.
Body: Protective gloves made of rubber or neoprene. Suitable protective clothing should be worn.
Other: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Vapor Pressure:	Undetermined
Odor:	Faint odor	Vapor Density:	Undetermined
Odor Threshold:	No data available	Evaporation Rate:	Estimated slower than ethyl ether
Color:	Clear to brown	Flammability:	Undetermined
Molecular Weight:	430.71 g/mol	Explosive Limits:	Undetermined
pH:	Undetermined	Flash Point:	93°C (199°F)
Boiling Point:	200°C (392°F)	Specific Gravity:	0.98 g/mL
Melting Point:	26°C (79°F)	Solubility in Water:	No data available
Relative Density:	No data available	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions.
Chemical Stability: Product is stable under normal conditions.

Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Undetermined.
Incompatible Materials:	May react with strong oxidizing agents and strong alkalis.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity undetermined.
Skin:	None known.
Eyes:	May cause irritation.
Respiratory:	None known.
Ingestion:	None known.
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

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

TSCA Inventory Status:	Listed as dl-alpha (all-rac-alpha) tocopheryl.
DSCL (EEC):	This product is not classified according to the EU regulations. Not applicable.

WHMIS (Canada):	Not controlled under WHMIS (Canada)
DSL (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
Japan ENCS:	No data available
Philippines PICCS:	No data available
Korea KECI:	No data available

16 OTHER INFORMATION

Revision Date:	23-Aug-2021
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.