

Vitamin E (dl-alpha tocopherol)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
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Supersedes: 12-Jul-2016

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Vitamin E (dl-alpha tocopherol)	Distributor:	MakingCosmetics Inc.
Synonyms:	dl-alpha (all-rac-alpha) tocopheryl	Address:	10800 231 st Way NE
INCI Name:	DL-alpha-Tocopherol		Redmond, WA 98053 (USA)
CAS Number:	10191-41-0	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	No data available	Web:	www.makingcosmetics.com
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Not classified.		
GHS Labeling:	None		
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	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>
DL-alpha-Tocopherol	10191-41-0	100%	Not Available

4 FIRST AID MEASURES

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if necessary.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek medical advice.
Skin:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical advice if irritation persists.
Ingestion:	Rinse mouth with water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.
Immediate Medical Attention & Special Treatment Needed:	Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from this material. Attending physician should treat exposed patients symptomatically.
General Information:	In case of accident or if you feel unwell, seek medical advice immediately.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (Alcohol-resistant foam, dry chemical or carbon dioxide) for adjacent fire. For this substance, no limitations of
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Special protective equipment & precautions for firefighters:	extinguishing agents are given. Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing, including eye protection and boots. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Flash Points:	113°C closed cup
Specific hazards arising from the chemical:	Development of hazardous combustion gases or vapors possible in the event of fire. In case of fire, the following can be released: carbon monoxide and carbon dioxide.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Absorb with liquid-binding materials (sand, diatomite, acid binders, universal binders, sawdust). Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Provide adequate ventilation. Keep unprotected persons away. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Normal measures for preventive fire protection. Wear appropriate personal protective equipment. Observe good industrial hygiene 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. Protected from light. 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>
DL-alpha-Tocopherol	No data available	No data available	No data 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:	Wear safety tightly sealed goggles for eye protection
Inhalation:	Required when vapors/aerosols are generated. Filter P2 for solid and liquid particles.
Body:	Use protective gloves and clothing. Glove material: nitrile rubber; layer thickness: 0.11 mm; Breakthrough time: > 480 min.
Other:	Appropriate Engineering Controls Recommend using process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels of dust below recommended exposure limits. If use operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Change contaminated clothing. Wash hands after working with substance.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, viscous, oily liquid	Vapor Pressure:	Negligible
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Colorless or yellowish-brown	Flammability:	Product is not flammable
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	113°C closed cup
Boiling Point/Range:	393°C @ 1013 hPa	Specific Gravity:	No data available

Melting Point:	2.5 - 3.5°C	Solubility:	Practically insoluble in water. Freely soluble in acetone, anhydrous ethanol, methylene chloride and in fatty oils
Density:	0.95 g/cm ³ @ 20°C	Ignition Temperature:	280°C
Partition Coefficient: n-octanol/water:	Log Pow > 6	Decomposition Temperature:	No data available
Dynamic Viscosity:	4200 mPa*s @ 20°C	Explosive Limits/Properties:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Incompatible materials. Strong heating. Exposure to light.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide
Possible Hazardous Reactions:	No hazardous reactions known.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	
Skin:	No data available
Eyes:	No data available
Respiratory:	No data available
Ingestion:	LD50 > 4000 mg/kg (Rat)
Carcinogenicity:	No data available
STOT - Single Exposure and Repeated:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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
Skin Corrosion/Irritation:	No data available
Skin Sensitization:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Quantitative data on the acute fish/daphnia/algae/bacteria toxicity of this product are not available.
Persistence and Degradability:	Biodegradation: 8%/28d (OECD 301 F) Biologically not readily biodegradable Easily eliminable
Bioaccumulative Potential:	Distribution: log Pow > 6 (Calculated); An appreciable bioaccumulation potential is to be expected (log Pow > 4.5)
Mobility in Soil:	Based on current information, there is no data known associated with this product.
PBT and vPvB Assessment:	PBT/vPvB assessment information is not available as chemical safety assessment not conducted.
Other Adverse Effects:	Quantitative data on the ecological effect of this product are not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Dispose of contents/container in accordance with all applicable local regulations.
Product Containers:	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

DOT (Dept. of Transportation, USA):	Not regulated as dangerous goods.
TDG (Transportation of Dangerous Goods, Canada):	Not data available.
IMDG (International Maritime Dangerous Goods):	Not regulated as dangerous goods.
IATA (International Air Transport Association):	Not regulated as dangerous goods.
ICAO (International Civil Aviation Organization):	Not regulated as dangerous goods.
ADR/RID/GGVSE:	Not regulated as dangerous goods.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
EU Regulation:	No warning label necessary as this product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
NDSL (Canada):	No data available
DSL (Canada):	No data available
EU (EINECS):	No data available
EU (ELINCS)	No data available
China IECSC:	No data available
Australia AICS:	No data available
Taiwan (TCSI)	No data available
Japan ENCS:	No data available
Philippines PICCS:	No data available
Korea ECL:	No data available
New Zealand:	No data available

16 OTHER INFORMATION

Revision Date:	21-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.