

Vitamin E (dl-alpha tocopheryl acetate)

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

Revision Date: 10/22/2020
Supersedes: 08/24/2015

1 PRODUCT & COMPANY IDENTIFICATION

| | | | |
|----------------------|--|------------------------------------|--|
| Product Name: | Vitamin E (dl-alpha tocopheryl acetate) | Distributor: | MakingCosmetics.com Inc. 10800 231 st Way NE |
| Synonyms: | Vitamin E-Acetate; DL-Vitamin E Acetate; Tocopherol Acetate; (±)-alpha-Tocopherol Acetate | | |
| INCI Name: | Tocopheryl acetate | Address: | Redmond, WA 98053 (USA) |
| CAS Number: | 7695-91-2 | Phone / Fax: | 425-292-9502 / 425-292-9601 |
| Formula: | C ₃₁ H ₅₂ O ₃ | 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: | Not classified | | | | | | | | | | | | |
| GHS Hazard Pictograms: | None | | | | | | | | | | | | |
| GHS Hazard Statements: | None | | | | | | | | | | | | |
| GHS Precautionary Statements: | None | | | | | | | | | | | | |
| Potential Health Hazards: | Eyes: Causes eye irritation. Inhalation: Causes respiratory irritation. Skin: May be irritant. Ingestion: May be irritant. | | | | | | | | | | | | |
| NFPA Ratings (704): | <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> |
|--------------------|----------------|-----------------|-------------------------|
| Tocopheryl acetate | 7695-91-2 | >95.0% | 472.75 g/mol |

4 FIRST AID MEASURES

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| Eyes: | Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| Inhalation: | Remove from exposure, lie down. Move to fresh air. If not breathing, give artificial respiration. Immediate medical attention is required. |
| Skin: | Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. Obtain medical attention. Take off contaminated clothing and shoes immediately. |
| Ingestion: | Drink plenty of water. If possible, drink milk afterwards. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Call a physician immediately. |

5 FIRE-FIGHTING MEASURES

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| Suitable (and unsuitable) extinguishing media: | May be combustible at high temperature. Use appropriate media (fine water spray, normal foam, carbon dioxide, dry chemical powder) for adjacent fire. Do not use direct water stream. |
| Special protective equipment & precautions for firefighters: | Firefighters should wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion. Keep containers cool with water spray. |
| Flash Points: | No data available |
| Specific hazards arising from the chemical: | Combustible liquid. On burning will emit toxic fumes, including those of oxides of carbon. See also Stability and Reactivity section. |

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions:

No special environmental precautions required. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up:

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis. 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:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Sensitive to light. Store in light-resistant containers. Keep away from heat and 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> |
|--------------------|------------------------|--------------|---------------|
| Tocopheryl acetate | 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: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Inhalation: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N-100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. 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 uses. 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 impervious clothing and boots, apron, or coveralls. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the workplace.

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

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|--------------------------|--------------------------|-------------------------------------|------------------------|
| Appearance: | Viscous liquid | Vapor Pressure: | No data available |
| Odor: | No data available | Vapor Density: | No data available |
| Odor Threshold: | No data available | Evaporation Rate: | No data available |
| Color: | No data available | Flammability: | No data available |
| Molecular Weight: | No data available | Upper/lower Explosive Limit: | No data available |
| pH: | No data available | Flash Point: | No data available |
| Boiling Point: | 224 °C (435 °F) (0.4hPa) | Specific Gravity: | 0.9533 |
| Melting Point: | -27.5 °C (-17.5 °F) | Solubility: | Diethyl ether, acetone |
| 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

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| Reactivity: | No data available |
| Chemical Stability: | Product is stable under recommended storage conditions. |
| Hazardous Polymerization: | No data available |
| Conditions to Avoid: | No data available |
| Incompatible Materials: | Strong oxidizing agents |
| Hazardous Decomposition Products: | Formed under fire conditions: carbon oxides |

11 TOXICOLOGICAL INFORMATION

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| Acute Toxicity: | No data available |
| Skin: | LD50: 3000 mg/kg |
| Eyes: | No eye irritation |
| Respiratory: | No data available |
| Ingestion: | LD50: 10,000 mg/kg |
| Carcinogenicity: | Not considered a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| 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 skin irritation |
| Repeated Dose Toxicity: | No data available |

12 ECOLOGICAL INFORMATION

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| Ecotoxicity | |
| Aquatic Vertebrate: | LC50: 100 mg/L (96h) [Trout] |
| Aquatic Invertebrate: | No data available |
| Terrestrial: | LC50: 28 mg/L (72h) [Algae] |
| Persistence and Degradability: | |
| | Aerobic - Exposure time 28d |
| | Result: 17% not readily biodegradable (OECD Test Guideline 301F) |
| Bioaccumulative Potential: | No data available |
| Mobility in Soil: | No data available |
| PBT and vPvB Assessment: | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |
| Other Adverse Effects: | No data available |

13 DISPOSAL CONSIDERATIONS

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| Waste Residues: | Keep out of drinking water sources. Prevent material from entering storm sewers or ditches leading to natural waterways. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. 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: | Observe all precautions. Remove all residue from container and then dispose of container in permitted facility. Do not use empty container for food stuff, etc. Keep away from children. Do not dump into sewers, on the ground, or into any body of water. 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

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| DOT (Dept. of Transportation, USA): | Not regulated as dangerous goods |
| TDG (Transportation of Dangerous Goods, Canada): | No 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): | No data available |

15 REGULATORY INFORMATION

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| TSCA Inventory Status: | TSCA 8(b) Inventory: Vitamin E acetate |
| DSCL (EEC): | No data available |
| WHMIS (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 |
| SARA 302: | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
| SARA 313: | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| Massachusetts RTK: | No components are subject to the Massachusetts Right to Know Act. |
| Pennsylvania RTK: | 3,4-Dihydro-2,5,7,8-tetramethyl-2(4,8,12-trimethyltridecyl)-2H benzopyran-6-yl acetate (CAS: 7695-91-2) |
| New Jersey RTK: | 3,4-Dihydro-2,5,7,8-tetramethyl-2(4,8,12-trimethyltridecyl)-2H benzopyran-6-yl acetate (CAS: 7695-91-2) |
| California Prop. 65: | This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm. |

16 OTHER INFORMATION

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| Revision Date: | 10/22/2020 |
| 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. |