Vitamin E Acetate, USP

SDS Preparation Date (mm/dd/yyyy): 06/02/2016

SAFETY DATA SHEET

Section 1 Identification of the substance/mixture and of the company/undertaking

Product Identifier:
Identification on the label/ Tradename: Vitamin E Acetate, USP
CAS Number: 7695-91-2
Formula: C31H52O3
Synonyms: 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-, acetate; DL-A-Tocopheryl Acetate 98%; 2H-1-Benzopyran-6-ol

Recommended use of the chemical and restrictions on use:
Recommended Use Nutritionals
Uses advised against Repeated contact with food. Avoid prolonged contact with eyes, skin and clothing.

Name, address, and telephone number of the manufacturer:
Refer to Supplier

Name, address, and telephone number of the supplier:
Encore Scientific 801 West New Orleans Street Broken Arrow, OK, USA 74011
Supplier’s Telephone # 800-454-2304 Monday to Friday 8:00 am to 6:00 pm (Central time)
24 Hr. Emergency Tel # INFOTRAC: (800) 535-5053 (Within Continental US and Canada); (352)323-3500 (International)

Section 2 Hazards Identification

Classification
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

Emergency Overview
The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance
Clear Slightly Greenish-yellow
Viscous Oily

Physical State
Liquid

Odor
Not available

Hazards not known otherwise classified (HNOC)
None known
Other information
100% of the mixture consists of ingredient(s) of unknown toxicity
Vitamin E Acetate, USP

Section 3 Composition/information on ingredients

Synonyms: 2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-acetate; DL-a-Tocopheral Acetate

Formula: C31H52O3

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cas No</th>
<th>Weight %</th>
<th>North American Hazard Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin E Acetate</td>
<td>7695-91-2</td>
<td>100</td>
<td>False</td>
</tr>
</tbody>
</table>

Section 4 First aid measures

General Advice: Show this safety data sheet to the doctor in attendance.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of First-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important symptoms and effects, both acute and delayed

Main symptoms: No information available

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

Notes to physician: Treat symptomatically

Section 5 Fire-Fighting measures


Unsuitable Extinguishing Media: No information available.

Hazardous Combustion Products: Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data

Sensitivity to mechanical impact: Not available.

Sensitivity to static discharge: Not available.
Vitamin E Acetate, USP

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Section 5 Fire-Fighting measures

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Personal Precautions
Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Precautions
Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up
Methods for Cleaning up
Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

Section 7 Handling and storage

Precautions for Safe Handling
Handling
Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes, and clothing. Avoid repeated exposure.

Conditions for safe storage, including any incompatibilities
Storage
Keep container tightly closed. Keep in properly labelled containers.

Incompatible Materials
Oxidizing agents.
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Section 8 Exposure Controls/Personal Protection

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
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<tbody>
<tr>
<td>Vitamin E Acetate</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>7695-91-2</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Wear protective gloves and protective clothing.

Respiratory Protection
In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice.

Section 9 Physical and chemical properties

Information on basic physical and chemical properties:

**Appearance:** Clear Slightly Greenish-yellow Viscous Oily

**Physical State:** Liquid

**Odor:** Not available

**Odor Threshold:** Not available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>No data available</td>
<td></td>
<td>Literary Reference</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>( @ 0.3 mmHg ) °C</td>
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<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 113°C / &gt; 235.40°F</td>
<td></td>
<td>Closed cup</td>
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Section 9 Physical and chemical properties (continued)

<table>
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<th>Method</th>
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</thead>
<tbody>
<tr>
<td>Evaporation Rate</td>
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<td>Flammability Limits in Air</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
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</tr>
<tr>
<td>Lower flammability limit</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Water Solubility</td>
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</tr>
<tr>
<td>Solubility in other solvents</td>
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<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
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<tr>
<td>Autoignition temp (°C)</td>
<td>303°C</td>
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<td>Decomposition temperature</td>
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<td>Viscosity, kinematic</td>
<td>No information available</td>
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<td>Viscosity, dynamic</td>
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<tr>
<td>Explosive Properties</td>
<td>No information available</td>
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<tr>
<td>Oxidizing Properties</td>
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<tr>
<td>Other Information</td>
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<td>Softening Point</td>
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<td>Molecular Weight</td>
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<tr>
<td>Density</td>
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<td></td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 10 Stability and reactivity

| Reactivity                       | Not applicable.             |         |        |
| Chemical Stability               | Stable under recommended storage conditions |         |        |
| Conditions to Avoid              | Heat, flames and sparks.    |         |        |
| Incompatible Materials           | Oxidizing agents.           |         |        |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide (CO2) |         |        |
| Possibility of Hazardous Reactions | None under normal processing |         |        |
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Section 11 Toxicological information

Product Information

To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin E Acetate</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>7695-91-2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on likely routes of exposure

**Eyes**
Contact with eyes may cause irritation. Avoid contact with eyes.

**Skin**
May be harmful by skin contact. Substance may cause light skin irritation. Avoid contact with skin.

**Inhalation**
May be harmful by inhalation. May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

**Ingestion**
May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Information on toxicological effects

**Symptoms**
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Eye Damage/Irritation**
No information available.

**Skin Corrosion/Irritation**
No information available.

**Sensitization**
No information available.

**Reproductive Effects**
No information available.

**Mutagenic Effects**
No information available.

**Developmental Effects**
No information available.

**STOT - single exposure**
No information available.

**STOT- repeated exposure**
No information available.

**Chronic Toxicity**
Avoid repeated exposure.

**Aspiration Hazard**
No information available.

Numerical measures of toxicity – Product information

**Acute Toxicity**
100% of the mixture consists of ingredient(s) of unknown toxicity
Vitamin E Acetate, USP

Section 12 Ecological information

Ecotoxicity
There is no known ecological information for this product
100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence/Degradability
No information available

Bioaccumulation/Accumulation
No information available

Mobility in Soil
No information available

Section 13 Disposal considerations

Waste Treatment Methods

Waste Disposal Method
Contact waste disposal services. Dispose of in accordance with local regulations.

Contaminated Packaging
Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

Section 14 Transport information

<table>
<thead>
<tr>
<th>DOT</th>
<th>Not regulated</th>
</tr>
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<tbody>
<tr>
<td>TDG</td>
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</tr>
<tr>
<td>MEX</td>
<td>Not regulated</td>
</tr>
<tr>
<td>ICAO</td>
<td>Not regulated</td>
</tr>
<tr>
<td>IATA</td>
<td>Not regulated</td>
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<tr>
<td>IMDG/IMO</td>
<td>Not regulated</td>
</tr>
<tr>
<td>RID</td>
<td>Not regulated</td>
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<tr>
<td>ADR</td>
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<td>ADN</td>
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</table>
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Section 15 Regulation information

<table>
<thead>
<tr>
<th>Country</th>
<th>U.S.A. (TSCA)</th>
<th>Canada (DSL)</th>
<th>EU (EINECS)</th>
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<tbody>
<tr>
<td>U.S.A. (TSCA)</td>
<td>Complies</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Canada (DSL)</td>
<td>Complies</td>
<td></td>
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<td></td>
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<tr>
<td>EU (EINECS)</td>
<td>Complies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EU (ELINCS)</td>
<td>Does not comply</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Japan (ENCS)</td>
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<td></td>
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<tr>
<td>China</td>
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<td>Korea (KECL)</td>
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<td>Philippines (PICCS)</td>
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<tr>
<td>Australia (AICS)</td>
<td>Complies</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Country</th>
<th>U.S.A. (TSCA)</th>
<th>Canada (DSL)</th>
<th>EU (EINECS)</th>
<th>EU (ELINCS)</th>
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</thead>
<tbody>
<tr>
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<th>Country</th>
<th>U.S.A. (TSCA)</th>
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<th>EU (ELINCS)</th>
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<td>Present</td>
<td>Present</td>
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</table>

Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Hazard</th>
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<tbody>
<tr>
<td>Acute Health Hazard</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.
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Section 15 Regulation information

State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

State Right-to-Know
This product does not contain any State Right-to-Know chemicals.

U.S. EPA Label Information
EPA Pesticide Registration Number
Not applicable

Canada

WHMIS Statement
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Notice to reader:
Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Section 16 Other information

NFPA
Health 1  Flammability 0  Instability 0  Physical Hazard 0

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.