

# Material Safety Data Sheet

## Vitamin E 50%

### 1. Product and Company Identification

Product name Vitamin E 50%

Product code SLEF02

Company information

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### 2. Composition and information on ingredients

Name	CAS Number	By weight(%)
Vitamin E Acetate	7695-91-2	50.5-51.5
Silicon dioxide	7631-86-9	48.5-49.5

### 3. Hazard identification

#### EMERGENCY OVERVIEW:

This product is a feed additive and diet supplement. Overdosage can cause serious health effects.

Physical Appearance and Odor: White or whitelike powder, almost no odor

#### POTENTIAL HEALTH EFFECTS:

Acute Eye: Irritant. Contact with liquid or vapor can cause irritation and redness.

Acute Skin: Skin absorption not likely. Liquid or vapor can cause irritation or redness on prolonged contact.

Acute Inhalation: Vapor can cause respiratory tract irritation.

Acute Ingestion: Low acute oral toxicity. Ingestion of large quantities may cause nausea, vomiting, abdominal cramps and diarrhea.

Chronic Effects: None known.

#### DUST EXPLOSION PROPERTIES INFORMATION

Lower explosion concentration (LEL) :50~100 gm<sup>-3</sup>

Maximum explosion pressure (P<sub>max</sub>) :0.55Mpa

Maximum rate of pressure rise ((dp/dt)<sub>max</sub>) :18.4MPa.s<sup>-1</sup>

Explosion index (Kst) :5.0 MPa.m.s<sup>-1</sup>



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Minimum ignition energy (MIE) :6mJ

Minimum ignition temperature for dust cloud (MITC):420°C

Minimum ignition temperature for dust layer(MITL):>400°C

### 4. First-aid measures

**Eye Contact:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

Seek medical attention if irritation develops or persists or if visual changes occur.

**Skin Exposure:** Wash with plenty of soap and water. Seek medical attention if irritation develops or persists.

**Inhalation:** If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

**Medical Conditions Possibly Aggravated by Exposure:** Adverse effects may arise if taking anticoagulants, colestipol, cholestyramine, mineral oil, oral contraceptives, and Vitamin A therapy, Vitamin E therapy

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

### 5. Fire-fighting measures

**Flash point:** >93C (200F).

**Flammability limits (vol/vol%):** Lower: No data Upper: No data

**Extinguishing Media:** Dry chemical, foam, water, CO2

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.

**Unusual Fire and Explosion Hazards:** Product will burn under fire conditions.

**Hazardous Decomposition Materials Under Fire Conditions:** Oxides of carbon

### 6. Accidental release measures

**Evacuation Procedures and Safety:** Wear appropriate protective gear for the situation. (See Personal Protection information in Section 8).



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**Cleanup and Disposal of Spill:** Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

**Environmental and Regulatory Reporting:** Do not flush to drain.

### 7. Handling and storage

**Handling:** Avoid breathing dusts. Avoid direct or prolonged contact with skin and eyes. **THIS PRODUCT MAY PRESENT A DUST EXPLOSION HAZARD.** It is recommended that all dust control equipment and material transport systems involved in the handling of this product contain explosion relief vents or explosion suppression systems or an oxygen deficient environment. In addition, all conductive elements of the system that contact this material should be electrically bonded and grounded. This powder should only be flowed through non-conductive ducts or pipes. Use only appropriate classed electrical equipment.

**Storage:** Store in tightly-closed, original container. Store in an area that is cool, dry, dark and well-ventilated.

### 8. Exposure controls/Personal protection

**Introductory Remarks:** These recommendations provide general guidance for handling this product.

Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application.

**Exposure Guidelines:** The following limits apply to components of this material.

#### Chemical

Particulates, not otherwise classified, inhalable particulate	10 mg/M3 – ACGIH TWA
Particulates, not otherwise regulated, total dust	15 mg/M3 – OSHA PEL
Particulates, not otherwise regulated, respirable fraction	5 mg/M3 – OSHA PEL

**Engineering Controls:** General area dilution/exhaust ventilation

**Respiratory Protection:** When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with regulatory standards and/or industrial recommendations. Dust/mist filtering respirator is recommended.

**Eye/Face Protection:** A minimum of safety glasses with side shields is recommended.

**Skin Protection:** Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing.

**Work Practice Controls:** The following general measures should be taken when working or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco



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products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

### 9. Physical and chemical properties

Physical and Chemical properties here represent typical properties of this product. Contact the manufacturer for exact specifications.

Physical Appearance:	White or whitelike powder
Odor:	Almost no odor
Specific Gravity:	Not available
Water Solubility:	Practically insoluble
Melting Point Range:	280C (536F)
Boiling Point Range:	Not available
Freezing Point Range:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Percent Volatiles by Volume:	<1
Loss on drying:	≤5.0%
Sieve Analysis:	≥90% Through 20# Sieve(US)

### 10. Stability and reactivity

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions to be Avoided:** Extreme heat, open flame

**Materials/Chemicals to be Avoided:** Strong acids, strong oxidizing agents.

**Hazardous Decomposition Products:** Oxides of carbon

**Hazardous Polymerization:** Not applicable

### 11. Toxicological information

**Acute Eye Irritation:** No data available.

**Acute Skin Irritation:** No data available.

**Acute Dermal Toxicity:** No data available.

**Acute Respiratory Irritation:** No data available.

**Acute Inhalation Toxicity:** No data available.

**Acute Oral Toxicity:** No data available.



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Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. No additional test data found for product.

### 12. Ecological information

No data available.

### 13. Disposal considerations

Waste disposal Method: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from Federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Container Handling and Disposal: Rinse containers before disposal.

EPA Hazardous Waste = NO

### 14. Transport information

Note: The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation:

Shipping name: Not regulated

Hazard Class: Not regulated

ID#: Not regulated

Packing Group: Not regulated

Labels: Not required

Emergency Guide#: Not regulated

### 15. Regulatory information

Inventory Status:

US (TSCA): Exempt

Canada (DSL): Yes

Europe (EINECS/ELINCS): Yes

Australia (AICS): Yes

Japan (MITI): Yes



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Korea (KECL): Yes

Where: Yes = all ingredients are listed on the inventory, Exempt = All ingredients are either on the inventory or exempt from the requirements of listing, No = Not determined, or one or more ingredients are not on the inventory and are not exempt from listing.

US Inventory Issues: This product is exempt from TSCA because it is solely for FDA-regulated use SARA Title III Hazard Classes:

Fire Hazard: No

Reactive Hazard: No

Release of Pressure: No

Acute Health Hazard: No

Chronic Health Hazard: No

SARA Extremely Hazardous Substances/CERCLA Hazardous Substances: None

California Proposition 65: This product does not contain any components that are regulated under Proposition 65.

National Fire Protection Association ("NFPA") Hazard Ratings:

Health: 0 (Minimal)

Flammability: 0 (Minimal)

Instability: 0 (Minimal)

National Paint and Coatings Hazardous Materials Identification System ("HMIS") Hazard Ratings:

Health: 0 (Minimal)

Flammability: 0 (Minimal)

Reactivity: 0 (Minimal)

### 16. Other information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.