



Material Safety Data Sheet

Vitamin Acetate MSDS

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: DL -Alpha-Tocopheryl Acetate

Synonym: Vitamin E Acetate, DL -A lpha-Tocopherol A cetate or dl- α -Tocopheryl Acetate

Chemical Formula: $C_{31}H_{52}O_3$

Company Identification: Craftiviti Sdn Bhd

**** SECTION 2 - HAZARDS IDENTIFICATION ****

Potential Acute Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available

MUTAGENIC EFFECTS: Not available

TERATOGENIC EFFECTS: Not available

DEVELOPMENTAL TOXICITY : Not available

Repeated or prolonged exposure is not known to aggravate medical condition

**** SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Name	Chemical %
7695-91-2	DL -Alpha-Tocopheryl Acetate	100%

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Serious Skin Contact : Not available

Ingestion:

Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 24 cupfuls of milk or water.

Serious Ingestion: Not available

Inhalation:

Remove from exposure to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Serious Inhalation : Not available

**** SECTION 5 - Fire and Explosion Data ****

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 320°C (608°F)

Flash Points: 243 (469°F).

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section.

Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. 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. Protected from light.

Storage:

Light Sensitive. Store in light resistant container. Keep containertightly closed Store at room temperature (15°C -30°C), dry (humidity conditions is below 75%) , well-ventilated area away from incompatible substances.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequateventilation to keep airborne concentrations low.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be usedto avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialistbeforehandling this product.

Exposure Limits : Not available

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance:	Oily liquid
Color :	Pale-yellow or slightly greenish-yellow
Odor:	Odorless
Molecular Weight:	472.749 g/mol
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Negligible.
Viscosity:	Not available.
Boiling Point:	443°C (829.4°C)
Freezing/Melting Point:	-27.5°C (-17.5°C)
Decomposition Temperature:	Not available.
Acid value	Not available.
Peroxide value	Not available.
Solubility:	Soluble in diethyl ether, acetone. Insoluble in cold water, hot water.
Specific Gravity/Density:	~0.96 (water=1) .

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, light, incompatible materials, dust generation.

Reactive with oxidizing agents, acids, alkalis.

Incompatibilities with Other Materials:

Incompatible with iron, silver and metal salts. Avoid humidity

Hazardous Decomposition Products: Not available

Hazardous Polymerization: Will not occur.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Toxicity to Animals :

Acute oral toxicity LD50: >4000mg/kg [mouse]

Acute dermal toxicity LD50: >3000mg/kg [rat]

Special properties/effects Antioxidant

Overdosage symptoms Overdosage symptoms due to this vitamin have not been observed in man. The literature and our own experience have not revealed any hazardous properties.

dl-alpha-tocopheryl acetate

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity: Ecotoxicity in water(LC50):100mg/l 96hours[Trout]. 28mg/l 72hours[Algae]

BOD5 and COD: Not available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the products of Biodegradation:

The products itself and its products of degradation are not toxic

Special Remarks on the Products of Biodegradation: Not available

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Product

There are no uniform regulations for the disposal of chemicals or residue chemical residues generally count as special waste. The disposal of the latter is regulated in the countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose special waste.

Packaging

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT

Not a DOT controlled material(USA)

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Canadian TDG

No information available.

**** SECTION 1 5 - REGULATORY INFORMATION ****

US FEDERAL

TSCA

CAS# 7695 -91-2 is listed on the TSCA inventory.

TSCA 8(b) inventory: Vitamin E acetate

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):

R36/38- Irritating to eyes and skin.

R52/53- Harmful to aquatic organisms,
may cause longterm adverse effects
in the aquatic environment.

S24/25- Avoid contact with skin and eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

**** SECTION 1 6 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 08/14/2006

Revision #6 Date: 20/04/2016

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.