1. Identification of Substance, Preparation

Product Name: Vitamin E Oil Natural
Chemical Characterisation: D-alpha Tocopherol
Emergency Phone Number: Myrkytystietokeskus (09) 471 977 or (09) 4711 or Saippuapaja 041 7042681

2. Composition Information on Ingredients

Definition / Botanical Origin: An organic compound with the chemical name d-alpha Tocopherol
CAS No: 52-02-09
Additives: None
EINECS: 200-412-2
IFRA: Not restricted

3. Hazards Identification

Concentrated product. Observe good housekeeping procedures.

4. First Aid Measures

Inhalation: Move from exposure site to fresh air. Keep at rest. Obtain medical attention.

Eye Exposure Treatment: Rinse immediately with plenty of water for at least 15 mins, holding eyelids open. Contact a doctor if symptoms persist.

Skin Contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Ingestion Treatment: Rinse mouth plenty of water. Seek medical advice.

Other: When assessing action take Risk & Safety Phrases into account (Section 15)

5. Fire Fighting Measures

Extinguishing Media
Recommended: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Measures: oid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
Extinguishing Procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.
6. Accidental Release Measures

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environmental precautions: Keep away from drains, soils, surface & groundwater.

Cleaning up methods for spillages: Remove all potential ignition sources. Sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations.

7. Handling and Storage

Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage conditions: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

Fire protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls / Personal Protection

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.
Ventilation: Ensure good ventilation of working area.
Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.
Eye protection: Wear safety glasses.
Work/Hygiene practices: Wash hands with soap & water after handling.

9. Physical and Chemical Properties

Appearance: Colourless to yellow, viscous liquid
Odour: Odourless
Boiling Point: $210-250 \, ^\circ \text{C}$ (0.1mm Hg)
Flash Point: $\circ \text{C}: 267$
Autoignition Temp $\circ \text{C}: 292$

10. Stability and Reactivity

Stability: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents

Decomposition: Thermal decomposition products are carbon dioxide and carbon monoxide.
11. Toxicological Information

In general the product can be considered to be relatively nontoxic.

Oral: >12g/kg
Skin Irritation: Non-irritating, EU classification.
Eye Irritation: Non-irritating, EU classification.
Sensitisation: Few sensitisation reactions known.
Chronic Toxicity: Relatively nontoxic.
Carcinogenicity: Not carcinogenic.

12. Ecological Information

Biodegradability: Inherently biodegradable. OECD guideline 301B, 94.9% biodegradation after 29 days.

Precautions: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Dispose of according to local regulations.
Avoid disposing into drainage systems and into the environment.

14. Transport Information

Road (ADR/RID): Not applicable
Air (IATA): Not applicable
Sea (IMDG): Not applicable
CHIP: See section 15


Hazards: Not applicable
Symbols: Not applicable
Risk Phrases: Not applicable
Safety Phrases: Not applicable

16. Other Information

16.1. Packaging Type Suitability
Glass: Yes
Aluminium: Yes
HPPE: Yes
F/HDPE: Yes
Other plastic: No

16.2. Shelf Life
When stored within advised conditions, re-test after 12 months and then at 6 monthly intervals up to a maximum shelf life of 24 months.
16.3. QC Requirements
In-line with general product specification. Always satisfy suitability for specific application.
The data provided in this material safety data sheet is meant to represent typical data/analysis for
this product and is correct to the best of our knowledge. The data was obtained from current and
reliable sources, but is supplied without warranty, expressed or implied, regarding its’ correctness or
accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and
to assume liability for loss, injury, damage or expense arising from improper use of this product.
The information provided does not constitute a contract to supply to any specification, or for any
given application, and buyers should seek to verify their requirements and product use.