

**Vitapherole® T****1. - Identification of the substance/preparation and of the company/undertaking****1.1- Substance Identification:****Trade name:** Vitapherole® T**Chemical name:** Mixed tocopherols**1.2. - Uses of the substance:**

Vitapherole® T is a natural antioxidant widely used in nutrition to avoid the negative effects of oxidation.

**1.3. - Company identification:**

VITAE NATURALS

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[www.vitaenaturals.com](http://www.vitaenaturals.com)[quality@vitaenaturals.com](mailto:quality@vitaenaturals.com)**1.4. - Emergency telephone:**

National Institute of Toxicology: +34 91 562 04 20.

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**2. - Hazards Identification.**

Low hazard for usual industrial or commercial handling by trained personnel.

Health rating: 0 (none)

Flammability rating: 1 (slight)

Chemical reactivity rating: 0 (none)

Contact rating: 0 (none)

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**3. - Composition/Information on ingredients****Component:** mixed Tocopherols(MF: C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>)(CAS Reg d-alpha, beta-gamma, delta. N°: 59-02-9, 16698-35-4,  
54-28-4, 119-13-1)

(Molecular weight: 420)

**4. - First-Aid Measures.**

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Material is of sufficiently low toxicity that induction of vomiting should not be necessary. Never give anything by mouth to an unconscious person.

**Eyes:** Any material that contacts the eyes should be washed out immediately with water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Skin:** Wash with soap and copious amounts of water. Get medical attention if symptoms occur.

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**5. - Fire-Fighting Measures.****Suitable extinguishing media:**

Water spray, Carbon dioxide, Dry chemical powder or appropriate foam.

**Extinguishing media which must not be used for safety reasons:**

Unknown

**Special exposure hazards arising from the product itself, from combustion products or from resulting gases:**

Unknown

**Special protective equipment for fire-fighters:**

Wear self-contained breathing apparatus as well as protective clothing because water or foam may cause frothing and it is necessary to prevent contact with skin and eyes.

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**6. - Accidental release measures.****Personal precautions:**

Avoid contact with skin and eyes.

**Environmental precautions:**

Do not allow to flow into drainage systems.

**Methods of cleaning up:**

Absorb spill on sand or vermiculite, then place in a closed container for its disposal.

Ventilate area and wash spill site with soap and water after material pickup is complete.

**7. - Handling and Storage.****Handling:**

No special precautionary measures are necessary.

**Storage:**

Keep in a tightly closed container. Store at ambient temperature and under dry conditions and nitrogen blanketing. Keep protected from light and heat. Protect from contamination. Keep away from odorous and toxic substances. This product may be used in food.

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**8. - Exposure controls/Personal protection.****Exposure limits:**

Not established.

**Components with specific control parameters:**

None.

**Personal protection:**

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn.

**Skin protection:** Wear protective gloves and clean body-covering clothing.

**Eye protection:** Use chemical safety goggles. Have an eye wash fountain in the work area.

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**9. - Physical and Chemical Properties.**

<b>Appearance/Colour:</b>	Viscous liquid/ clear, amber reddish viscous oil
<b>Odour:</b>	Typical vegetable oil
<b>pH:</b>	not applicable
<b>Boiling point:</b>	> 200 °C
<b>Flash point:</b>	> 200 °C
<b>Specific gravity (at 25 °C):</b>	0.92 – 0.96
<b>Vapor Pressure:</b>	not available
<b>Vapor Density (Air=1):</b>	not available
<b>Evaporation rate:</b>	<1
<b>Solubility in water:</b>	insoluble
<b>Viscosity (60°C):</b>	70 - 210 cP
<b>Lower explosive limit:</b>	not available
<b>Upper explosive limit:</b>	not available
<b>Auto ignition temperature:</b>	not available

**10. - Stability and Reactivity.****Conditions to avoid:**

Air, sunlight, moisture and heat.

**Materials to avoid:**

Strong oxidizing agents.

**Hazardous combustion or decomposition products:**

Carbon monoxide, carbon dioxide. Hazardous polymerization will not occur.

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**11. - Toxicological information.****Effects of exposure**

**Inhalation:** Low hazard for usual industrial handling or commercial handling by trained personal.

**Ingestion:** Low ingestion hazard

**Skin:** This product has a low potential to cause allergic skin reactions

**Eyes:** This product has a low potential to cause allergic eye reactions

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**12. - Ecological information.**

This material has not been tested for environmental effects.

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**13. - Disposal considerations.**

Discharge, treatment or disposal may be subjected to national, state or local laws.

Waste incineration approved by the responsible local authority.

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**14. - Transport information.**

This product does not constitute a hazardous substance in National/International road, rail, sea or air transport, and is not a dangerous good in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR.

ADR=Agreement on Dangerous Goods by Road / RID = Regulations concerning the Intl Transport of Dangerous Goods by Rail

GGVS/GGVE - German Regulations concerning the transport of dangerous goods.

ICAO-TI/IATA-DGR= Air transport regulations of dangerous goods.

IMDG= International maritime Code of dangerous goods.

ADNR=European regulations concerning the carriage of dangerous goods on the Rhine

In case of additional transport information, contact VITAE NATURALS.

**15. - Regulatory information.**

*Classification and labelling are according to Regulation 1272/2008/CE.*

*Hazard Symbols: Not subjected to the identification regulations.*

*Mixed tocopherols have been pre-registered in accordance with REACH legislation (CE n° 1907/2006).*

*For organic food: Vitae Naturals has a range of products which is suitable for being used in organic food. It complies with European Regulations (EC) 834/2007 and 889/2008 and the US National Organic Program (NOP), and it is periodically inspected by ECOCERT S.A F-32600.*

*For organic cosmetic: Vitae Naturals has a range of products which has been validated by ECOCERT as raw material suitable to be used in organic cosmetics under private Reference Standard for natural and organic cosmetic (within the framework of the Decree n°95-354 of 03/30/95 relating to the Certification of Industrial Products and Services).*

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**16. - Other information.**

*The above information is believed to be right but does not purport to be all exclusive and shall be used only as a guide. VITAE NATURALS shall not be held liable for any damage resulting from handling contact with the above product.*

*This MSDS is in compliance with Regulation 1907/2006/EC.*