



STUARTPRODUCTS^{INC}

SAFETY DATA SHEET EMCELLE E-D₃- Liquid

1. Chemical name of active ingredients

D-ALPHA TOCOPHEROL, CHOLECALCIFEROL

CAS #	59-02-9, 67-97-0
EINECS #	Mixture
Country of Origin	United States of America
Product use	Nutritional supplement
Synonym(s)	VITAMIN E, VITAMIN D

Units

Biological activity and equivalencies: Values of active ingredients reported on International Units basis

2. Hazards identification

Classification of the product:

Amber viscous liquid with an off-white to yellowish color with a mild odor.
No need for classification according to GHS criteria for this product.

Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

CAUTION:

Contact with the eyes or skin may cause irritation.
Avoid contact with the skin, eyes and clothing.
Ensure adequate ventilation.
Wear chemical resistant protective gloves.
Wear protective clothing.
Wash hands after handling.

3. Composition / Information on Ingredients

Components (decending order)

d-alpha-tocopherol	CAS # 59-02-9
Cholecalciferol	67-97-0
Proprietary emulsion system	
Water	7732-18-5
n-propyl alcohol	71-23-8

Manufacturer/Supplier

STUART PRODUCTS, INC.
112 Bedford Road
Bedford, TX 76022 USA

General Information: (817) 590-2907

24-Hour Emergency: (817) 714-2102

4: First Aid Measures

Eye contact	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.
Skin contact	Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Inhalation	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Ingestion	First aid is normally not required. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

5. Fire Fighting Measures

Flammable properties	No unusual fire or explosion hazards noted.
Hazardous combustion	Water fog, Foam, Dry chemical powder, Carbon Dioxide (CO ₂) Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment
Methods for cleaning up	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

7. Handling and Storage

Handling	Observe good industrial hygiene practices. Ensure adequate ventilation.
Storage	Keep container closed. Store at temperatures less than 75 F.

8. Exposure Controls / Personal Protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Engineering controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties Melting

The product is soluble in water and organic solvents.

Form	Liquid
Freezing point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available.
Vapor density	Not available.
Bulk Density	approx. 0.98 g/mL
Auto-ignition temperature	approx. 186 C
Decomposition temperature	Not available.

10. Shelf-life, Chemical Stability & Reactivity Information

Shelf-life Stored in its unopened packaging at max. 30 C, the product is stable for at least 24 months.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Excessive heat, trace minerals.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Carbon oxides

Possibility of hazardous reactions Carbon oxides.

Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects May cause mild skin irritation.

Sensitization No sensitizing effects known.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

12. Ecological Information

Ecotoxicity Not expected to be harmful to aquatic organisms.

Persistence and degradability Not Available

Bioaccumulation / Accumulation Not Available

Partition coefficient (n-octanol/water) Not Available

Mobility in environmental media Not available.

The product is soluble in water and will not sediment in water systems.

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

TDG Not regulated as dangerous goods.

15. Regulatory Information

US Federal Regulations This product is not hazardous according to OSHA 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4) None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Health:0 Fire:1 Reactivity:0 Special:

Delayed Hazard No

Fire Hazard - No Pressure Hazard - No Reactivity Hazard

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) Section 311/312 (40 CFR 370) No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Non-controlled

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

HMIS® ratings Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings Health: 0
Flammability: 1
Instability: 0

Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described herein, we cannot guarantee that these are the only hazards that exist.

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