



Safety Data Sheet

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	D-Mixed Tocopherols Conc 50% (Non GMO)				
Biological Definition	Natural Vitamin E				
INCI Name	Tocopherol				
Synonyms & Trade Names	Vitamin E				
CAS-No	59-02-9	EC No.	200-412-2	EINECS No.	200-412-2

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available

1.3 Details of the supplier of the safety data sheet

Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1

1.4 Emergency Tel. No.

604-540-8700 (Monday-Friday 8:30 am-4:30 pm)

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classed as a hazardous substance.

Classification (EC 1272/2008)

Not classified as a hazardous substance.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

None

Signal Word None

Contains Contains no hazardous substances

Hazard Statements

None

Precautionary Statements

None

Supplementary Precautionary Statements

None

2.3 Other Hazards

PBT or vPvB according to Annex XIII No additional data available

Adverse physio-chemical properties None

Adverse effects on human health None

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

50% Tocopherol - Gross formula $C_{29}H_{50}O_2$

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove affected person to fresh air. Seek medical attention if any discomfort continues.
Ingestion	Rinse mouth and drink plenty of water (200 – 300ml). Seek medical attention if discomfort occurs.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Seek medical attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention if irritation continues.
4.2 Most important symptoms and effects, both acute and delayed	
Eye contact; may cause irritation.	
4.3 Indication of any immediate medical attention and special treatment needed	
None	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Extinguishing media: Carbon dioxide (CO ₂). For larger fires extinguish with water spray or foam.	
5.2 Special hazards arising from the product	
None known	
5.3 Advice for firefighters	
Wear full protective clothing. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.	

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Wear protective clothing as described in section 8 of this document.	
6.2 Environmental Precautions	
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.	
6.3 Methods and material for containment and cleaning up.	
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers and dispose of in accordance with current laws and regulations.	
6.4 Reference to other sections	
Section 8 - Exposure controls/personal protection for further information on personal precautions Section 13 - Disposal Considerations for further information on waste treatment.	

07. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid contact with skin and eyes.	
7.2 Conditions for safe storage, including any incompatibilities	
Intrusion into soil to be avoided. Keep containers tightly closed and out of direct sunlight in cool, dry, well ventilated conditions at a temperature not exceeding 25°C.	
7.3 Specific end use(s)	

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

None

8.2 Exposure controls

Protective Equipment



Process Conditions	Provide eye wash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Ensure area is well ventilated. Avoid breathing vapours.
Hand Protection	Use chemically resistant gloves (PVC) to minimise the risk of direct contact or splashing.
Eye Protection	Wear safety glasses or a face shield. Eye wash station should be available at all times.
Other Protection	Wear appropriate clothing to prevent possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear protective clothing to prevent contact with the skin.
Environmental Exposure Controls	Avoid discharging into drainage water.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear viscous brown-red liquid
Colour	Brown-red
Odour	odourless
Relative Density	0.450 - 0.600 @ 20°C
Flash Point (°C)	No additional data available
Refractive Index	No additional data available
Melting Point (°C)	2.5 - 3.5
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	No additional data available
Auto-ignition temperature (°C)	No additional data available

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No significant reactivity hazard under proper handling.

10.2 Chemical stability

Chemically stable under the recommended handling and storage conditions.

10.3 Possible hazardous reactions
None known. Hazardous polymerisation will not occur.
10.4 Conditions to Avoid
Avoid excessive heat, sparks or open flame.
10.5 Incompatible materials
Avoid contact with strong acids, alkalis and oxidising agents.
10.6 Hazardous Decomposition Products
No additional data available

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	No additional data available
Skin corrosion / irritation	No additional data available
Serious eye damage / irritation	No additional data available
Respiratory or skin sensitisation	No additional data available
Germ Cell Mutagenicity	No additional data available
Carcinogenicity	No additional data available
Reproductive toxicity	No additional data available
STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	No additional data available
Photo-toxicity	No additional data available
Other Information	No additional data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No additional data available	
12.2 Persistence & degradability	
No additional data available	
12.3 Bioaccumulation Potential	
No additional data available	
12.4 Mobility in soil	
No additional data available	
12.5 Results of PBT and vPvB Assessment	
No additional data available	
12.6 Other adverse effects	
Do not allow product to enter streams, sewers or other waterways.	

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Collect and dispose of waste product at an authorised disposal facility in accordance with local authority guidelines. Product remainders should not intrude soil or waters.	

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not necessary – non hazardous product
UN No. SEA	Not necessary – non hazardous product
UN No. AIR	Not necessary – non hazardous product
14.2 UN proper shipping name	
None	
14.3 Transport hazard class(es)	
None	
14.4 Packing group	
None	
14.5 Environmental hazards	
No additional data available	
14.6 Special precautions for user	
See sections 6 - 8	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
No additional data available	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
<u>Guidance Notes</u> CHIP for everyone HSG(108). <u>EU Legislation</u> Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.	
15.2 Chemical safety assessment	
No additional data available	

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None
Other Information	None
Revision Date	April 18, 2018
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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