



## Safety Data Sheet

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

<b>1.1 Product Identifier</b>					
Product Name		D-Mixed Tocopherols Conc 70% (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
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>					
No additional data available					
<b>1.3 Details of the supplier of the safety data sheet</b>					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
<b>1.4 Emergency Tel. No.</b>		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

### 02. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
Not classed as a hazardous substance.	
Classification (EC 1272/2008)	
Not classified as a hazardous substance.	
<b>2.2 Label Elements</b>	
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	
<b>2.3 Other Hazards</b>	
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

<b>3.1 Substances</b>
<b>70% Tocopherol</b> - Gross formula $C_{29}H_{50}O_2$

## 04. FIRST AID MEASURES

<b>4.1 Description of first aid measures</b>	
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.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
Eye contact; may cause irritation.	
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
None	

## 05. FIRE-FIGHTING MEASURES

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

## 06. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
Wear protective clothing as described in section 8 of this document.	
<b>6.2 Environmental Precautions</b>	
Do not discharge into drains, water courses or onto the ground. Dispose of in line with Local authority guidelines.	
<b>6.3 Methods and material for containment and cleaning up.</b>	
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.	
<b>6.4 Reference to other sections</b>	
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

<b>7.1 Precautions for safe handling</b>	
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.	
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
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.	
<b>7.3 Specific end use(s)</b>	

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.

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

## **11. TOXOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
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**

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

## **13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	
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

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

## 15. REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<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.	
<b>15.2 Chemical safety assessment</b>	
No additional data available	

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	None
Other Information	None
Revision Date	July 1, 2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

**DISCLAIMER:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.