



## Safety Data Sheet

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

#### 1.1 Product Identifier

Product Name	Blue Tansy Oil				
Biological Definition	Tanacetum Annuum Flower Oil is the volatile oil derived from the flowers of <i>Tanacetum annuum</i> , <i>Asteraceae</i> .				
INCI Name	Tanacetum Annuum Flower Oil				
Synonyms & Trade Names	Tansy oil				
CAS-No	-	EC No.	-	EINECS No.	-

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

Domestic and industrial use

#### 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

The Full Text for all Hazard Statements is Displayed in Section 16.

##### Classification (EC 1272/2008)

Physical and Chemical Hazards:	Flammable Liquid	Cat. 3	Warning
Human health Asp.:	Aspiration Toxicity	Cat. 1	Danger
	Germ cell mutagenicity	Cat. 2	Warning
	Skin Irritation	Cat. 2	Warning
	Skin sensitisation	Cat. 1	Warning
Environment:	Aquatic Chronic	Cat. 2	Hazardous

#### 2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

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##### Hazard Statements

H304	May be fatal if swallowed and enters airways.
H341	Suspected of causing genetic defects.
H411	Toxic to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

#### Precautionary Statements

P102	Keep out of the reach of children.
P103	Read label before use.
P101	If medical advice is needed, have product container or label at hand.
P202	Do not handle until all safety precautions have been read and understood.
P201	Obtain special instructions before use.
P273	Avoid release into the environment.
P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
P233	Keep container tightly closed.
P240	Ground or bond container and receiving equipment.
P241	Use explosion proof electrical, ventilating, lighting, etc. equipment.
P280	Wear protective gloves, clothing and eye or face protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash thoroughly after handling.
P210	Keep away from heat, sparks, open flames or hot surfaces – No smoking.
P301	IF SWALLOWED: rinse mouth. Do not induce vomiting. Immediately call a poison centre or doctor. Specific treatment.
P303	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash skin with water.
P308	If exposed or concerned, seek medical advice.
P391	Collect spillage.
P333	If skin irritation or rash occurs: Seek medical advice.
P378	Use for extinction: all extinguishing media can be used.
P235	Keep cool.
P405	Store locked up.
P501	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### Supplementary Precautionary Statements

None.

### 2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

**15.0 – 25.0% Sabinene (Thuj-4(10)-ene)** CAS-No.: 27606-09-3 EC No.: 222-212-4

Classification (EC 1272/2008) Acute tox. 4 (oral)

**10.0 – 15.0% Camphor** CAS-No.: 76-22-2 EC No.: 200-945-0

Classification (EC 1272/2008) Acute Tox. 4 (inhal), STOT SE 2

**5.0 – 10.0% Beta Pinene** CAS-No.: 127-91-3 EC No.: 204-872-5

Classification (EC 1272/2008) Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1

<b>5.0 – 10.0% Myrcene</b>	CAS-No.:123-35-3	EC No.: 204-622-5
Classification (EC 1272/2008) Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2		
<b>5.0 – 10.0% Para-Cymene</b>	CAS-No.:99-87-6	EC No.: 202-796-7
Classification (EC 1272/2008) Asp. Tox. 1, Flam. Liq. 3, Aquatic Chronic 2		
<b>1.0 – 5.0% Alpha Pinene</b>	CAS-No.:80-56-8	EC No.: 201-291-9
Classification (EC 1272/2008) Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1		
<b>1.0 – 5.0% Limonene (D-)</b>	CAS-No.:5989-27-5	EC No.: 227-913-5
Classification (EC 1272/2008) Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1		
<b>1.0 – 5.0% Borneol</b>	CAS-No.: 507-70-0	EC No.: 208-080-0
Classification (EC 1272/2008) Flam. Sol. 1		

#### 04. FIRST AID MEASURES

##### 4.1 Description of first aid measures

Inhalation	Remove victim immediately from source of exposure. Seek medical attention if any discomfort continues.
Ingestion	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Seek medical attention.
Skin Contact	Remove contaminated clothing immediately and 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 immediately. Continue to rinse.

##### 4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

#### 05. FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO<sub>2</sub>). Powder. Foam. Water spray.

##### 5.2 Special hazards arising from the product

Closed containers may build up pressure at elevated temperatures.

##### 5.3 Advice for firefighters

Product is flammable. Wear full protective clothing. Exercise caution when fighting a chemical fire. Use water spray or fog to cool exposed containers.

## 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 safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.
<b>6.2 Environmental Precautions</b>
Do not discharge into drains, water courses or onto the ground.
<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 using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.
<b>6.4 Reference to other sections</b>
Wear protective clothing as described in Section 8 of this safety data sheet.

## 07. HANDLING AND STORAGE

<b>7.1 Precautions for safe handling</b>
Keep away from food and drink. When using do not smoke. Avoid contact with skin and eyes. Handle in accordance with good hygiene and safety practice.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>
Provide local exhaust or general room ventilation to minimise dust and/or vapour concentrations. Keep product in its original container well sealed, in a dry, ventilated area, away from potential sources of ignition and protected from light. Stock according to local / national regulations and always follow the precautions indicated on labels.
<b>7.3 Specific end use(s)</b>
No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
Odour is inadequate to warn of over exposure.	
<b>8.2 Exposure controls</b>	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	For high concentrations use respiratory equipment.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure	Avoid discharging into drainage water. Only eliminate by authorised companies.

Controls	
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## 09. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Limpid liquid
Colour	Blue
Odour	Characteristic
Relative Density	0.870 - 0.935 @ 20°C
Flash Point (°C)	46
Refractive Index	1.465 - 1.525 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water. Soluble in 10 volumes of 90% ethyl alcohol.
Auto-ignition temperature (°C)	No additional data available.

### 9.2 Other information

No additional data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under the recommended handling and storage conditions.

### 10.2 Chemical stability

Stable under the recommended handling and storage conditions.

### 10.3 Possible hazardous reactions

None under normal handling conditions.

### 10.4 Conditions to Avoid

No additional data available.

### 10.5 Incompatible materials

No additional data available.

### 10.6 Hazardous Decomposition Products

None under normal handling conditions.

## 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

<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>
General information Do not re-use empty containers. Empty residue into a suitable disposal site.  Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	1169
UN No. SEA	1169
UN No. AIR	1169
<b>14.2 UN proper shipping name</b>	
UN 1169 Extracts Aromatic Liquid 3, III (D/E)	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class: 3 Flammable Liquid 9 Miscellaneous dangerous substances and articles.	
IMDG Class: 3 Flammable Liquid	
ICAO Class/Division: 3 Flammable Liquid	
Transport Labels	
	

<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
	Passenger instructions cargo 310
	Packaging instructions passenger 309
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous Substance/Marine Pollutant	
	
<b>14.6 Special precautions for user</b>	
No additional data available.	
<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>	
<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p>Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108).</p> <p>EU Legislation 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.</p>	
<b>15.2 Chemical safety assessment</b>	
No additional information available.	

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H304 May be fatal if swallowed and enters airways. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects. H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Other Information	None.
Revision Date	October 8, 2015
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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