



Safety Data Sheet

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

1.1 Product Identifier

Product Name		Geranium Oil Chinese.			
Biological Definition		The volatile oil obtained by the steam distillation of the flowering herb <i>Pelargonium graveolens</i> l'Heritier ex Aiton and other non-defined Pelargonium hybrids grown in China.			
INCI Name		Pelargonium graveolens flower oil.			
Synonyms & Trade Names		-			
CAS-No	90082-51-2 / 8000-46-2	EC No.	290-140-0 / -	EINECS No.	290-140-0 / -

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

No additional data available.

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.
 Human health Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Skin Sens. 1 - H317; Asp. Tox. 1 - H304
 Environment Aquatic Acute 2 - H401; Aquatic Chronic 3 - H412

2.2 Label Elements

Label in accordance with (EC) No 1272/2008



Signal Word

Danger.

Contains

Alpha pinene natural, CITRAL, Citronellol, GERANIOL, Menthones.

Hazard Statements

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.	
Precautionary Statements	
<p>P280 Wear protective gloves/protective clothing/eye protection/face protection. P262 Do not get in eyes, on skin, or on clothing. P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting.</p>	
Supplementary Precautionary Statements	
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash ... thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P302+352 IF ON SKIN: Wash with plenty of soap and water. P310 Immediately call a POISON CENTER or doctor/physician. P321 Specific treatment (see ... on this label). P332+313 If skin irritation occurs: Get medical advice/attention. P333+313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse. P405 Store locked up. P501 Dispose of contents/container to ...</p>	
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

3.1 Substances	
30-60% Citronellol CAS-No.: 106-22-9 EC No.: 203-375-0	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304	
10-30% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1	
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Skin Sens. 1 - H317	
5-20% Menthones CAS-No.: 10458-14-7 EC No.: 233-944-9	
Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox. 4 - H302, Eye Irrit. 2 - H319, Skin Sens. 1 - H317, Aquatic Chronic 3 - H412	
1-5% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4	
Classification (EC 1272/2008) Skin Irrit. 2 - H315	
1-5% Citral CAS-No.: 5392-40-5 EC No.: 226-394-6	
Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317	
1-5% a-Pinene Natural	CAS-No.: 80-56-8 EC No.: 201-291-9

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304
<1% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304
Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	May cause irritation In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.
Ingestion	Rinse nose, mouth and throat with water. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.
Skin Contact	May cause irritation to skin. Wash the skin immediately with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye Contact	May cause irritation to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If symptoms persist seek medical attention.

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

Water. Use as appropriate: Carbon dioxide (CO₂), dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES

Use supplied air respirator if product is involved in a fire. Do not use direct water jet on burning material.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide.

5.2 Special hazards arising from the product

When heated and in case of fire, harmful vapours/gases may be formed.

5.3 Advice for firefighters

Wear suitable respiratory equipment when necessary. Wear full protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up.

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.


6.4 Reference to other sections

No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	No special measures required.
Engineering Measures	Provide adequate general and local exhaust ventilation.
Respiratory Equipment	Self-contained breathing apparatus.
Hand Protection	Chemical resistant gloves (PVC).
Eye Protection	Wear approved safety goggles.
Other Protection	Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Good personal hygiene practices are always advisable, especially when working with chemicals.
Personal Protection	No additional data available.
Skin Protection	Wear protective clothing to reduce the risk of skin and eye contact.
Environmental Exposure Controls	No additional data available.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear liquid.
Colour	Yellowish.
Odour	Characteristic.
Relative Density	0.877 - 0.897 @20°C
Flash Point (°C)	64
Refractive Index	1.459 - 1.472 @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.
Auto-ignition	No additional data available.

temperature (°C)	
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Stable under normal temperature conditions and recommended use.	
10.2 Chemical stability	
No additional data available.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
Avoid heat, flames and other sources of ignition.	
10.5 Incompatible materials	
Alkaline solution, Oxidising agents, Acids.	
10.6 Hazardous Decomposition Products	
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	There is no data available on this product. It must be considered and handled and should be dealt with the highest possible caution.
Skin corrosion / irritation	May be harmful if absorbed through the skin.
Serious eye damage / irritation	May cause eye irritation.
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	May be harmful if inhaled.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	
No data on possible environmental effects have been found.	
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
No additional data available.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not regulate for transport.
UN No. SEA	Not regulate for transport.
UN No. AIR	Not regulate for transport.
14.2 UN proper shipping name	
Not subject to ADR regulations.	
14.3 Transport hazard class(es)	
Not regulate for transport.	
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	
Not defined.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
<p><u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p><u>Approved Code of Practise</u> Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.</p> <p><u>Guidance Notes</u> CHIP for everyone HSG(108). Workplace Exposure Limits EH40</p> <p><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.</p>
15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H318 Causes serious eye damage. H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. H401 Toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information	None.
Revision Date	January 28, 2016
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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