





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

Product Name	Chamomile oil Roman				
Biological Definition	The volatile oil obtained by steam distillation of the dried flowering heads of the herb <i>Anthemis nobilis</i> L. (syn. <i>Chamaemelum nobile</i>).				
INCI Name	Anthemis nobilis flower oil				
Synonyms & Trade Names	Chamomile oil English, Chamaemelum nobile oil, Chamomile oil blue (do not confuse with oil from <i>Cham. recutita</i>).				
Supplier	Ecodrop Limited, Pembroke Lodge, 3 Pembroke Road, Ruislip, HA4 8NQ +44 (0)7732 546773				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	2275	FDA No.	§182.10	CoE No.	48
CAS-No	84649-86-5	EC No.	283-467-5	EINECS No.	283-467-5

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xn; R10-43-65, S24-37-62			
Classification (EC 1272/2008)	UN-GHS: FL 3, AH 1, SCI 3, SS 1 EU-CLP: FL 3, AH 1, SS 1			
Label in accordance with (EC) No 1272/2008				
	GHS02	GHS08	GHS07	GHS09
Signal Word	Danger			
Contains	Pinenes, limonene			
Hazard Statements	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H317 May cause an allergic skin reaction			
Precautionary Statements	P301/310 IF SWALLOWED immediately call a doctor/physician P331 Do NOT induce vomiting P262 Do not get in eyes, on skin or on clothing P280 Wear protective gloves/protective clothing/eye protection/face protection.			
Supplementary Precautionary Statements	---			
PBT or vPvB according to Annex XIII	No			
Adverse physio-chemical properties	None			
Adverse effects on human health	May cause sensitisation to skin and eyes.			

03. COMPOSITION/INFORMATION ON INGREDIENTS

Isobutyl angelate 30% to 35% UN-GHS: FL4 ATO4(600)
2-Methylbutyl angelate 15% to 20% UN-GHS: not found

Methyl allyl angelate 5% to 10% UN-GHS not found
Isobutyl isobutyrate 5% to 10% UN-GHS not found
Pinocarveol 1% to 5% UN-GHS: FL4
Alpha-Pinene 1% to 5%. UN-GHS: ATO5(3700), SCI 2, SS 1
Limonene 0.1% UN-GHS: SCI 2; SS 1; EH A1,C1

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray

06. ACCIDENTAL RELEASE MEASURES



Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water

Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.
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07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.
Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Mobile liquid
Colour	Light blue-green to pale green turning to brown with age
Odour	Characteristic, reminiscent of the flowers
Relative Density	0.900 to 0.920 @ 20°C.
Flash Point (°C)	52 c/c
Refractive Index	1.4380 to 1.4460 @ 20°C.
Melting Point (°C)	Not determined
Boiling Point (°C)	161 @ 760mm Hg
Vapour Pressure	Not available
Solubility in Water @20°C	Almost insoluble
Auto-ignition temperature (°C)	Not determined

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Dermal toxicity: found non-irritating when applied to backs of hairless mice. But moderately irritating when applied under occlusion to rabbit skin. Opdyke D.L.J (See1974) <i>FCT</i> 12 , 853. Oral toxicity: Acute toxicity (oral, rat) LD50 >5g/kg (ref: unpublished data submitted to RIFM on 10-11-2012 by MB research Labs Inc.
Skin corrosion / irritation	No available data
Serious eye damage / irritation	No weight of evidence summary available. Believed to be a slight ocular irritant.
Respiratory or skin sensitisation	Not found to be a sensitiser to human skin, nor photo-toxic. Opdyke D.L.J (See1974) <i>FCT</i> 12 , 853. Listed as skin sensitiser Category 1 under GHS & CLP.
Germ Cell Mutagenicity	Not found to be mutagenic in a <i>Bacillus subtilis</i> rec-assay or an Ames test (Zani <i>et al</i> 1991).
Carcinogenicity	No evidence of carcinogenicity or DNA damage (BIBRA 1992). No evidence of carcinogenic activity of <i>A. nobilis</i> oil constituents.
Reproductive toxicity	No firm data
STOT-single exposure	No available data
STOT-repeated exposure	No available data
Aspiration hazard	No available data. Listed as Aspiration Hazard Category 1 under GHS & CLP.
Photo-toxicity	Not photo-toxic
Other Information	None


12. ECOLOGICAL INFORMATION

Ecotoxicity	No weight-of-evidence data available
Mobility	No data available
Persistence & Biodegradability	No data available
Bioaccumulation Potential	No data available
PBT Assessment Results	No data available
Precautions	Do not discharge into the environment/ watercourses.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon	
Proper Shipping Name	EXTRACT, AROMATIC, LIQUID nos (chamomile oil)
UN No. Road	UN 1169
ADR Class	Class 3
Hazard No (ADR)	30 Flammable liquid
Hazchem Code	3YE
UN No. SEA	UN 1169
IMDG Class	Class 3

IMDG Pack Gr.	Pk Gp III
EMS	F-E, S-D
UN No. AIR	UN 1169
Air Class	Class 3
Air Pack Gr.	Pk Gp III

15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	11/2014
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R10 Flammable R43 May cause sensitisation by skin contact R65 Harmful. May cause lung damage if swallowed.
Hazard Statements in Full	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways H317 May cause an allergic skin reaction
Other Information	Workplace Exposure Limits EH40. CHIP for everyone HSG 108

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.