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Safety Data Sheet

Organic Inula Essential Oil - Sweet (Inula graveolens)

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

1.1 Product Identifier					
Product Name		Inula Oil Organic			
Biological Definition		Inula graveolens Extract is the oil extracted by steam distillation of the Inula Graveolens plant.			
INCI Name		Inula Graveolens Extract			
Synonyms & Trade Names		-			
CAS-No	92128-75-1	EC No.	295-773-1	EINECS No.	-
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					
NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK. Email – info@nhrorganicoils.com					
1.4 Emergency Tel. No.		0845 310 8066			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The Full Text for all Hazard Statements displayed in Section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards	Not classified.
Human health	Skin Corrosion / Irritation Category 2 H315, Causes skin irritation. Sensitization - Skin Category 1 H317, May cause an allergic skin reaction. Aspiration Hazard Category 1 H304, May be fatal if swallowed and enters airways.
Environment	Hazardous to the Aquatic Environment - Long-term Hazard Category 2 H411, Toxic to aquatic life with long lasting effects.
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	GHS08
GHS09	
Signal Word	
Danger	
Contains	
Beta Pinene, beta-Caryophyllene, alpha-Pinene	
Hazard Statements	
H304, May be fatal if swallowed and enters airways. H315, Causes skin irritation. H317, May cause an allergic skin reaction.	

H411, Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
<p>P261, Avoid breathing vapour or dust. P264, Wash hands and other contacted skin thoroughly after handling. P272, Contaminated work clothing should not be allowed out of the workplace. P273, Avoid release to the environment. P280, Wear protective gloves/eye protection/face protection. P301/310, IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P302/352, IF ON SKIN: Wash with plenty of soap and water. P331, Do not induce vomiting. P333/313, If skin irritation or rash occurs: Get medical advice/attention. P362, Take off contaminated clothing and wash before reuse. P391, Collect spillage. P405, Store locked up. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.</p>	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		
≤ 50.0% Bornyl Acetate	CAS:76-49-3	EC: 200-964-4
Classification (EC 1272/2008) Not classified as hazardous		
≤ 15.0% Isobornyl Acetate	CAS:125-12-2	EC: 204-727-6
Classification (EC 1272/2008) Not classified as hazardous		
≤ 8.0% beta-Pinene	CAS: 127-91-3	EC: 204-872-5
Classification (EC 1272/2008)	FL 3, SCI 2, SS 1B, AH 1, EH A1, EH C1; H226, H304, H315, H317. H410	
≤ 7.0% beta-Caryophyllene	CAS:87-44-5	EC: 201-746-1
Classification (EC 1272/2008)	AH1, H304	
≤ 3.5% Limonene	CAS: 5989-27-5	EC: 227-813-8
Classification (EC 1272/2008)	FL 3, SCI 2, SS 1B, AH 1, EH A1, EH C1; H226, H304, H315, H317, H410	
≤ 2.0% alpha-Pinene	CAS: 80-56-8	EC: 201-291-9
Classification (EC 1272/2008)	FL 3, SCI 2, SS 1B, AH 1, EH A1, EH C1; H226, H304, H315, H317, H410.	

4. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Move the exposed person to fresh air at once. Get medical attention.
Ingestion	Get medical attention immediately.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water. Get medical attention.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.
4.2 Most important symptoms and effects, both acute and delayed	
<p>May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction.</p>	
4.3 Indication of any immediate medical attention and special treatment needed	
None expected, see Section 4.1 for further information.	

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable Extinguishing Media: Foam, dry chemical, carbon dioxide (CO ₂).	
5.2 Special hazards arising from the product	
In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.	
5.3 Advice for firefighters	
Use appropriate respiratory equipment.	


6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 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.	
Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Dispose of according to local authority guidelines.	
6.4 Reference to other sections	
Also refer to sections 8 and 13.	

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Keep away from heat, sparks, open flames and hot surfaces. No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.	
7.2 Conditions for safe storage, including any incompatibilities	
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.	
7.3 Specific end use(s)	
Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.	

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.
Hand Protection	Chemical resistant gloves (PVC).
Eye Protection	Wear approved safety goggles.
Other Protection	Provide eyewash station.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear protective clothing to avoid contact with skin.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Clear liquid, colourless to yellow.
Colour	Colourless to yellow.
Odour	Characteristic.
Relative Density	Approx. 0.950 @ 20°C
Flash Point (°C)	> 100°C
Refractive Index	Approx. 1.470 @ 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 temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity
Presents no significant reactivity hazard, by itself or in contact with water.
10.2 Chemical stability
Stable under normal temperature conditions and recommended use.
10.3 Possible hazardous reactions
Not expected under normal conditions of use.
10.4 Conditions to Avoid
Avoid extreme heat.
10.5 Incompatible materials
Avoid contact with strong acids, alkalis or oxidising agents.
10.6 Hazardous Decomposition Products
Not expected.

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	See below – Other Information.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
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 fatal if swallowed and enters airways.
Photo-toxicity	No additional data available.
Other Information	Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: 175000 Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: Not Applicable Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxic to aquatic life with long lasting effects.
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

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	UN3082
UN No. SEA	UN3082
UN No. AIR	UN3082

14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (beta-Pinene, d-Limonene)

14.3 Transport hazard class(es)

ADR/RID/ADN Class: 9 Miscellaneous dangerous substances and articles.
 IMDG Class: 9 Miscellaneous dangerous substances and articles.
 ICAO Class/Division: 9 Miscellaneous dangerous substances and articles.

Transport Labels



14.4 Packing group

ADR/RID/ADN Packing group: III
 IMDG Packing group: III
 ICAO Packing group: III

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6 Special precautions for user

None.

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	
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG(108).
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.
15.2 Chemical safety assessment	
No additional information available.	

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Other Information	None.
Revision Date	02/05/2017
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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