

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : February 9, 2023

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Yarrow Essential Oil (Blue)
Botanical name	:	Achillea millefolium
INCI name	:	Achillea Millefolium Oil
CAS #	:	8022-07-9 / 84082-83-7
Country of Origin	:	Hungary
EINECS #	:	282-030-6
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3.

Acute Toxicity, Oral - Category 4

Acute Toxicity, Inhalation - Category 4

Respiratory Sensitization - Category 1, 1A, 1B

Skin Irritation-Category 2

Skin Sensitization - Category 1

Specific target organ toxicity, single exposure - Category 2

Hazardous to the aquatic environment, acute hazard - Category 1

Hazardous to the aquatic environment, long-term hazard - Category 1

GHS Label elements, including precautionary statements

Signal: Danger

Hazard statement(s)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	If exposed or concerned: Call a POISON CENTER/ doctor.
P312	Call a POISON CENTER/ doctor/if you feel unwell.
P321	Specific treatment (see section 4 & 8 on this label).
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use carbon-dioxide, powder extinguishing media to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container according to local regulations.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Terpinene, gamma	99-85-4	202-794-6	< 5 %
Pinene, alpha	80-56-8	201-291-9	2 - 10 %
Linalool	78-70-6	201-134-4	< 2 %
Caryophyllene, beta	10 - 20 %	87-44-5	10 - 20 %
Cineole-1,8	470-82-6	207-431-5	3 - 10 %
Limeonene, D	5989-27-5	227-813-5	< 2 %
Camphor	76-22-2	200-945-0	< 20 %
Borneol, L	464-45-9	207-353-1	< 6 %
Terpinene-4-ol	562-74-3	209-235-5	< 6 %
Pinene, beta	127-91-3	204-872-5	5 - 20 %
Sabinene	3387-41-5	222-212-4	< 20 %
Bornyl acetate, L	5655-61-8	209-081-9	< 6 %
Thujone, alpha	546-80-5	208-912-2	2 - 15 %
Thujone, beta	1125-12-8	214-405-7	< 5 %
Chamazulene	529-05-5	208-449-6	< 0.5 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Water with full jet.

Water.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Safety glasses with side protection shield EN 166.

Skin

Closed working suit and chemical resistant gloves according to EN 374

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Pale blue to blue liquid
Odor	:	Fresh, camphoreous, spicy, sweet odor
Flash point	:	54°C
Relative density	:	0.890 - 0.935
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Auto-ignition temperature	:	Product is not selfigniting.

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Camphor

LD50 (oral) -mouse-1310 mg/kg bw

Terpinene-4-ol

LD50 (oral) -rat- 1300 mg/kg bw

Carcinogenicity

None of the components of this material are listed as a carcinogen.

Signs & symptoms of exposure

The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea, vomiting.

Reproductive toxicity

No adverse effects on reproduction are known.

Respiratory or skin sensitization

Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Ingestion

No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.

Skin corrosion

Causes skin irritation including skin inflammation and dryness.

Single exposure

This substance contains Camphor which may cause damage to organs.

Repeated exposure

Repeated or prolonged contact may cause redness, irritation.

Aspiration hazard

The consumption of a considerable dose can cause pulmonary damage.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Biodegradable.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1197

UN proper shipping name

Extracts, liquid

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

IMO-IMDG code

1197

IMDG-Marine pollution

Yes.

IATA Shipping Description (Air)

1197

Proper shipping name

Extracts, liquid

Class

3

Packaging group

III

Emergency action in case of accident

Notify police and fire department immediately

15. REGULATORY INFORMATION

California Proposition 65

WARNING:

This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Refer to Section 2.

GHS Precautionary Statements

Refer to Section 2.

16. OTHER INFORMATION

Revision date : February 09, 2023

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario, Canada.