MATERIAL DATA SAFETY SHEET: Pine Scotch Oil
Version: 1.0 Issued: 27th March 2018
earthYard Pty Ltd : ABN 66 603 706 832

SECTION 1 – MATERIAL & SUPPLY COMPANY IDENTIFICATION

1.1 **Product Identifiers**
Product Name: PINE SCOTCH OIL
CAS No.: 8023-99-2
EINECS: 281-679-2

1.2 **Relevant identified uses of the substance or mixture**
No further relevant information available Application of the substance / preparation: Perfumes & cosmetics

1.3 **Manufacturer / Supplier Details**
Supplier: EarthYard Pty Ltd
ABN: 66 603 706 832
Address: Unit 2, 1-3 Sommerville Circuit, Emu Plains, NSW Australia 2774
Telephone: 02 4735 8594

1.4 **Information in case of emergency**
Emergency Telephone: 02 4735 5379 (Office Hours 9.00am - 5.00pm Mon-Fri)
Email: enquiries@earthyard.com.au

SECTION 2 - HAZARD IDENTIFICATION

2.1 **Classification of the substance / preparation**
Classification according to Regulation (EC) No. 1272/2008
Physical Hazards: FL 3
Health Hazards: AH 1; SCI 2; SS 1
Environmental Hazards: EH-A 1, EH-C 1

2.2 **Label Elements**
Labeling according to Regulation (EC) No. 1272/2008

GHS Signal Word
DANGER

Hazard Statements
H226 Flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H317 May cause an allergic skin reaction
H411 Very toxic to aquatic life with long lasting effects

Precautionary Statements
P273 Avoid release into the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a Poisons Centre or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses if present and continue rinsing

P332 + P313	If skin irritation occurs seek medical advice
P501	Dispose of contents/the container in accordance with local government regulations

2.3 **Other hazards**

May cause skin irritation/allergy. Patch test recommended
Allergens in accordance with Directive No 2003/15/EC
D-Limonene (≤7.0%)

SECTION 3 - PRODUCT COMPOSITION

3.1 **Chemical Identification**

Description: *Pinus sylvestris oil*
CAS No.: 8023-99-2
EINECS No.: 281-679-2
% by weight: 100%

3.2 **Hazardous Constituents**

Chemical Name	CAS No.	EINECS	Regulation (EC) No 1272/2008	Limit
α-pinene	**80-56-8**	**201-431-5**	FL3, H226; Ah1, H304 SS 1, H317 EH-A 1 EH-C 1, H410	≤ 85.0 %
β-pinene	**127-91-3**	**204-872-5**	FL3, H226; AH1, H304 SS 1, H317 EH-A 1 EH-C 1, H410	≤ 7.0 %
d-limonene	**5989-27-5**	**227-813-5**	FL3, H226; AT 1, H304 SC/I 2, H315; ED/I 1, H318 SS 1, H317	≤ 7.0 %
Camphene	**79-92-5**	**201-234-8**	ED/I 2, H319; EH-A 1, H410	≤ 5.0 %

SECTION 4 - FIRST AID

4.1 **Description of first aid measures**

Eye Contact: Check for and remove any contact lenses. Immediately wash thoroughly with soft, clean water for 15 minutes while holding the eyelids open. Cold water may be used. If symptoms persist, seek medical attention.

Skin Contact: Remove any contaminated clothing and footwear. Clean before re-use.
Wash affected areas thoroughly with soap and water for at least 15 minutes. In the event of an allergic reaction, seek medical attention

Inhalation: Remove individual from the exposure to fresh air. Contact a physician as necessary.

Ingestion: Not an expected route of exposure. If swallowed, DO NOT induce vomiting. Wash out mouth with water. Contact a physician or local poison centre immediately.

Contact Point: Poisons Information Centre Sydney Telephone: 131126

4.2 **Most important symptoms and effects of substance, both acute and delayed**

Eye contact: May cause eye irritation and corneal damage if not immediately rinsed out.

Skin Contact:	Repeated contact may cause allergic dermatitis
Inhalation:	Remove subject and place in a fresh air environment
Ingestion:	Not an expected route of exposure

4.3 **Indication of immediate medical attention and any special treatment required**
No further relevant information available

SECTION 5 - FIRE FIGHTING MEASURES

5.1 **Extinguishing Media**
Suitable extinguishing agents: Carbon Dioxide; Dry Chemical; Water spray; Alcohol-resistant foam.
Unsuitable Extinguishing Media: Water jet (Use of a water jet may cause the fire to spread)

5.2 **Special hazards arising from the substance or mixture**
None known

5.3 **Advice for firefighters**
Use self-contained breathing apparatus and wear protective clothing

Additional information
Collect contaminated firefighting water separately to prevent from entering waterways.
Contact Point: Dial 000 Emergency in case of fire [In Australia] or Local Emergency Authority [Out of Australia].

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Ventilate area. Do not smoke.

6.2 **Environmental precautions**
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 **Methods and materials for containment and cleaning up**
Wipe up small spills with absorbent material such as paper cloth. Cover larger spills with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges. Keep away from ignition sources, do not smoke and avoid flames. Dispose of contaminated material in accordance with local government regulations

6.4 **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

SECTION 7 - HANDLING AND STORAGE

7.1 **Precautions for safe handling**

Avoid contact with skin, eyes and avoid inhalation. Use glasses and protective gloves. Ensure there is adequate ventilation. Do not smoke. Take necessary action to avoid static discharge (which might cause ignition of organic vapors).

7.2 **Conditions for storage**
Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep away from heat.
Incompatible products None known based on information supplied.

7.3 Specific end use No further information available

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 **Control parameters**
Not regulated

8.2 **Exposure Controls**
Respiratory Protection Not generally required in well ventilated workplace
Ventilation Protection Ensure adequate ventilation to keep exposure levels to a minimum. General exhaust is recommended
Eye Protection Use of goggles is recommended
Protective Gloves Use of chemical resistant (nitrile) gloves is recommended
Protective Clothing Use of chemical resistant clothing is recommended
Protective Equipment An eyewash station should be made available

8.3 **Special Engineering Controls**
None established.

8.4 **Other Personal Protection**
Consult the following Australian Standards for general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS 2919**, Industrial Eye Protection: **AS 1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS 2210**.

Note
These precautions are for room temperature handling. Use at elevated temperature applications may require additional precautions.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 **General information**

Physical appearance at 20°C:	Clear mobile liquid
Colour:	Colourless to pale yellow
Odour:	Characteristic, dry, pine-like
pH when measurable:	Not available
Melting point & Freezing point:	N.A.
Initial boiling point:	N.A.
Flash point:	40°C
Flammability (solid, gas):	N.A.
Upper & lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour Density (air = 1):	N.A.
Relative density at 20°C:	0.855 to 0.920
Solubility in water (g/litre @ 20 °C):	Insoluble

Solubility in ethanol:	Soluble
Auto ignition T°C:	N.A.
Decomposition temperature:	N.A.
Viscosity:	N.A.
Explosive properties:	Lower & Upper Limits: N.A. Explosion hazards: No risk at room temperature, comply with current legislation requirements
Combustion Properties:	Does not contain any substance known as to ignite spontaneously.

9.2 **Other Data**

Refractive index at 20 °C:	1.462 to 1.485
Optical rotation at 20°C:	-30° to +10°
Main Constituents:	α-pinene (70 to 85%) β-pinene (2 to 7%) d-limonene (3 to 7%)

SECTION 10 - STABILITY AND REACTIVITY

10.1 **Reactivity**
This material presents no significant reactivity hazard and is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, there may be oxidation.

10.2 **Stability**
Chemically stable material under the recommended storage and handling conditions in Section 7

10.3 **Possibility of hazardous reactions**
When exposed to high temperatures, the substance may release hazardous decomposition products such as carbon monoxide, carbon dioxide, fumes, and nitrogen oxide

10.4 **Conditions to avoid**
Do not heat above 36°C. Do not expose containers to the sun.

10.5 **Incompatible materials**
Strong oxidising agents

10.6 **Hazardous decomposition products**
No dangerous decomposition products expected by intended use

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 **Substance Acute toxicity**
No data available.
Skin corrosion/irritation
May cause an allergic skin reaction. See Section 3.
Serious eye damage/irritation
No significant effects or critical hazards
Carcinogenicity
No significant effects or critical hazards

Germ cell mutagenicity
No significant effects or critical hazards
Reproductive toxicity
No significant effects or critical hazards
STOT-single exposure
Not specified
STOT-related exposure
Not specified
Aspiration hazard
May be fatal if swallowed and enters airways.

11.2 **Information on the likely routes of exposure**
Skin/scalp contact.

11.3 **Symptoms related to the physical, chemical, and toxicological characteristics**
None known. Irritation of the eye if exposed

SECTION 12 - ECOLOGICAL INFORMATION

12.1 **Ecotoxicity**
Very toxic to aquatic life with long term effects.

12.2 **Persistence and degradability**
Data not available

12.3 **Bio-accumulative potential**
Data not available

12.4 **Mobility in soil**
Data not available

12.5 **Other adverse effects**
Avoid exposure to marine environments and waterways

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 **Waste Material**
Do not pour into drains or waterways. Waste management to be carried out without risk to water, air, soil, plants or animals. Place waste material into sealed containers and dispose of in accordance with current applicable laws and regulations.

13.2 **Contaminated Packaging**
Recycle where possible and dispose of empty containers in accordance with current local government regulations.

SECTION 14 - TRANSPORT INFORMATION

14.1 **UN Number**
1272

14.2 **UN Proper shipping name**
Pine Oil

14.3 **Transportation hazard classes**
Road and Rail Transport:

Classified as Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
Marine Transport:
Classified as Dangerous Goods according to the criteria of the ADG Code for transport by sea.
Air Transport:
Classified as hazardous by the criteria of the International Air Transport Association as (IATA) Dangerous Goods Regulations for transport by air.

14.4 **Packing group**
III

14.5 **Environmental hazards**

14.6 **Poison Schedule**
Not scheduled as a poison

14.7 **Hazchem Code**
Not regulated

SECTION 15 - REGULATORY INFORMATION

15.1 **EU regulations**
This product has been classified and marked in accordance with the EU Directives/Ordinance on Hazardous Materials.

15.2 **Poisons Schedule (Aust):** Listed as a Poison by the SUSDP.
All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS). This material in neither hazardous nor dangerous.

SECTION 16 - OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Native Oils Australia provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is thus, intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for the specific purpose. As the ordinary or otherwise use(s) of this product is outside the control of Native Oils Australia., 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. Native Oils Australia expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be

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Manufacturers Statement:

Essential oils are complex, naturally derived chemicals. Often the constituents of the EOs may individually have known risks and hazards, and in some cases the constituents have not been studied, often because there have been no complaints.
Used as directed and within the limits specified by the various agencies and associations that study these materials, essential oils are safe and useful ingredients in flavours, fragrances, cosmetics and therapeutic applications. Please refer to the guidelines of the industry in which the product will be offered to the public to abide by the safest known practices. Those organizations include: IFRA, IFEAT, AHPA, ISO Standards for Essential Oils, and publications by various government health organizations regarding the use of these materials.