

SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

Tri Nature Pty Ltd ACN 001 784 327
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Phone: (02) 4928 2199 Fax (02) 4928 2405



Trade Name: ORANGE OIL
Product Code: NA
Product Use: Essential Oil / Aromatherapy Oil
Creation Date: September 2010
Revision Date: December 2014
Expiry date: December 2019

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as a HAZARDOUS CHEMICAL in accordance with the GHS. It is classified as a DANGEROUS GOOD by the ADG code.

Classification of the substance or mixture:

Skin Irritation - Category 2
Flammable Liquid - Category 3
Aspiration Hazard - Category 1
Acute Aquatic Toxicity - Category 1
Chronic Aquatic Toxicity - Category 1
Skin Sensitisation - Category 1

Signal Word: Danger



Hazard Statements:

H226 Flammable liquid and vapour
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H304 May be fatal if swallowed and enters airways
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention

P264 Wash hands thoroughly after handling
P280 Wear protective gloves.
P210 Keep away from heat/sparks/open flames/ hot surfaces. – No smoking
P233 Keep container tightly closed.
P240 Ground/Bond container receiving equipment.
P241 Use explosion-proof electrical ventilating/ lighting/equipment.

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P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.

Response

P301 + P310 IF SWALLOWED: Immediately call a Poisons Centre or a doctor.
P331 Do not induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off all contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use alcohol resistant foam, or dry agent (dry chemical powder or carbon dioxide) for extinction. Do not use water.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SUSMP Classification: Not scheduled
ADG Classification: 3 Flammable Liquid
UN Number: 2319 TERPENE HYDROCARBONS, NOS (contains d-Limonene)

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%
Orange Oil	8028-48-6	100%

Section 4 - First Aid Measures

Eye Contact	Hold eyelids apart and flush the eye continuously with running water. If irritation occurs seek medical attention.
Skin Contact	Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek medical advice.
Inhalation	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
If Swallowed	Do NOT induce vomiting. Rinse mouth with water and give water to drink. Seek medical attention. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat symptomatically. Treat symptomatically. Delayed pulmonary oedema may result.
Additional Information	-

Section 5 - Fire Fighting Measures

Flammable Liquid.

Suitable Extinguishing Equipment

If involved in a fire, appropriate extinguishing media include alcohol resistant foam, dry extinguishing media, and carbon dioxide. Alcohol resistant foam is the preferred firefighting medium, but if it is not available, normal protein foam can be used.

Special Protective Equipment and Precautions for Fire Fighters

When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

Specific hazards arising from the chemical:

Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.

Hazchem Code: 3Y

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Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Remove ignition sources. Stop leak if safe to do so. May be slippery when spilled.

Methods and Materials for containment and cleaning up

Contain spill with absorbent material, such as sand, vermiculite or other inert material. Collect and dispose of spilled material according to local regulations. Wash away remnants with detergent and cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Environmental precautions

Prevent spill entering sewers or waterways.

Section 7 - Handling and Storage

Precautions for Safe Handling

Follow safety precautions and directions for use outlined in the product information sheet when using for aromatherapy purposes. Avoid skin and eye contact with concentrated oil. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Keep out of reach of children. Vapour may travel a considerable distance to a point of ignition and flash back. All potential sources of ignition must be eliminated both in and near the work area. Do not smoke. Take precautions against static discharges.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Store away from incompatible materials listed in section 10 including oxidizing agents, acids, combustible materials and sources of ignition. Protect from direct sunlight.
Store in original packaging as approved by manufacturer.

Section 8 - Exposure Controls and Personal Protection

No exposure limits available for this material.

ASCC Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
None Available		

No special equipment is required when occasionally handling small amounts of this oil, although skin and eye contact should be avoided. It is considered to be non-toxic and non-irritant when used in diluted form (<1%) in accordance with the safety precautions and directions for use outlined in the product information sheet for aromatherapy purposes.

The following instructions are for bulk handling of the concentrated product or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Use in a well-ventilated area.

Personal Protective Equipment

RESPIRATOR: Wear an approved respirator where vapours are generated and engineering controls are inadequate.
EYES: Safety glasses or splash goggles to prevent splashing in the eyes.
HANDS: Wear chemical resistant gloves.
CLOTHING: Chemical resistant coveralls and safety footwear.

Section 9 - Physical and Chemical Properties:

Physical Description:	Light brown/red liquid	Water Solubility:	Insoluble
Odour:	Orange	pH:	No data
Boiling Point:	No data	Flash Pt.	45 – 48°C
Freezing/Melting Point:	No data	Volatility:	No data
Volatiles:	No data	Odour Threshold:	No data
Vapour Pressure:	No data	Evaporation Rate:	No data

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Vapour Density:	No data	Coeff Oil/water Distribution:	No data
Specific Gravity:	No data	Autoignition temp:	No data

Section 10 - Stability and Reactivity

Reactivity:	This product is unlikely to react or decompose.
Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to Avoid:	This product should be kept in a cool place, preferably below 30°C. Avoid exposure to heat, sources of ignition and open flames. Avoid contact with incompatible materials. Avoid exposure to light.
Incompatible Materials:	Oxidising agents, acids, alkalis, combustible materials and sources of ignition.
Hazardous Decomposition Products:	Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be released on thermal decomposition.
Hazardous Reactions:	Heating can cause expansion or decomposition of the material, which can lead to containers exploding. This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

No adverse health effects expected if this product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may occur if the product is mishandled or over exposure occurs are:

Swallowed	Swallowing may result in nausea, vomiting, diarrhoea, abdominal pain, irritation to the gastrointestinal tract and central nervous depression. If victim is showing signs of central nervous depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
Eye	May be irritating to eyes and result in redness, stinging and excessive tearing.
Skin	Irritating to the skin and may result in redness, itching or swelling. Repeated or prolonged contact may lead to irritant contact dermatitis. A skin sensitiser.
Inhaled	Breathing in mists or aerosols may cause respiratory irritation.

Chronic Effects

No Data Available

Acute Toxicity

No data available for this product.

Section 12 - Ecological Information

Avoid contaminating waterways.

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Persistence/degradability

No data

Section 13 - Disposal Considerations

Disposal method

Refer to State/Territory Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.

Special precautions

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Section 14 - Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code)

UN Number: 2319

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UN Proper Shipping Name: TERPENE HYDROCARBONS NOS (contains d-Limonene)
Class and subsidiary risk: 3 Flammable Liquid
Packing Group: III
Special precautions for user: Not applicable
Hazchem Code: 3 [Y]

Section 15 - Regulatory Information

Poisons Schedule (SUSMP): Not scheduled
All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16 - Other Information

Date of Preparation: December 2014

Revision Notes – Updated to GHS classification and Safety Data Sheet format.

This SDS contains only safety-related information. For other data see product literature. Please read all labels carefully before using product.

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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