

01580-1004



Safety Data Sheet #915 Natural Orange Terpene

SECTION 1. IDENTIFICATION

Product Identifier	#915 Natural Orange Terpene
Other Means of Identification	Solvent
Recommended Use	Artist & Wood Finish Solvent
Initial Supplier Identifier	Eco-House Inc. PO Box 220 STN A. Fredericton, NB E3B 4Y9
Emergency Telephone Number	506-366-3529

SECTION 2. HAZARD IDENTIFICATION

GHS Classification: Flammable Liquid Category 3
Aspiration toxicant Category 1



Signal word: Danger
For Bulk Packaging only:



Hazards

Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.

Precautionary Statements

Keep away from heat, /sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye and face protection. Wash hands thoroughly after handling. Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs, get medical attention/advice. If swallowed, immediately call poison control/doctor. Do NOT induce vomiting. Store in well ventilated place. Keep cool at room temperature. Keep away from children. Dispose of contents/container in accordance with local /regional /national/ international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Terpenes and terpenoids, food grade	68917-57-7, 8028-48-6	100.00%

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SECTION 4. FIRST-AID MEASURES

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell. For those providing assistance, avoid exposure to yourself and use adequate respiratory protection. If dizziness, nausea, or unconsciousness occurs, seek medical assistance.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 mins. If possible, remove contact lenses, if worn. If irritation persists, get medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call poison control or doctor.
Most Important Symptoms and Effects, Acute and Delayed	May cause respiratory tract irritation. May cause allergic skin reaction. May cause eye irritation. Symptoms may include discomfort or pain marked redness and swelling. May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. May cause stomach distress, nausea or vomiting.
Immediate Medical Attention and Special Treatment	Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media Suitable Extinguishing Media	Carbon dioxide. Foam. Dry powder.
Unsuitable Extinguishing Media	High volume water spray/ straight streams of water.
Specific Hazards Arising from the Product	Hazardous combustion products: smoke, fume, incomplete combustion products, oxides of carbon.
Special Protective Equipment and Precautions for Fire-Fighters	Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Combustible. Keep upwind of fire and evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers, or drinking water supplies.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures	In case of large spills, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800) 424-8802. Use special care to avoid static electric charges. Eliminate sources of ignition. Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods for Containment and Cleaning Up	Scoop up material and place in disposal container. Provide ventilation.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Handle empty containers with care because residual vapors are flammable. Keep away from sources of ignition – No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fumes/gas/mist/vapors/spray. Do not swallow. Handle and open
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container with care. When using, do not eat, drink or smoke. Wash hands before doing so. Launder contaminated clothing before reuse.

Conditions for Safe Storage

Proper grounding procedures to avoid static electricity should be followed. Keep out of reach of children. Keep container tightly closed and in a well-ventilated place at room temperature. Store locked up.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	Terpenes & Terpenoids, food grade
ACGIH	Not Applicable.
OSHA	Not Applicable.

Appropriate Engineering Controls

Use ventilation adequate to keep exposures (air-borne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Eye/Face Protection

Wear eye protection.

Skin Protection

Wear suitable gloves. Wear suitable protective clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Other

Maintain levels below community environmental protection thresholds.

Do not eat, smoke, and drink where material is handled, processed or stored.

Wash hands carefully after handling. Handle according to established industrial hygiene and safety practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Colorless liquid

Odour

Light citrus scent

Odour Threshold

No data available

pH

No data available

Melting Point and Freezing Point

No data available

Boiling Point and Boiling Range

349°F (176°C)

Flash Point

113°F (45°C) closed cup method.

Evaporation Rate

Medium/fast

Flammability (solid, gas)

Flammable

Upper and Lower Flammability or Explosive Limit

6.1 vol% - 0.7 vol%

Vapour Pressure

2 mmHg at 68°F (20°C)

Vapour Density

No data avail.

(air = 1)

Relative Density (water = 1)

0.84 @ 68°F (20°C)

Solubility in Water

Insoluble

Partition Coefficient, n-Octanol / Water (Log Kow)

No data avail.

Auto-ignition Temperature

No data available

Decomposition Temperature

No data available

Viscosity

1.14 cP at 77°F,

SECTION 10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under normal use.

Chemical Stability

Stable under normal storage conditions. May form flammable/explosive vapor-air mixture if heated.

Possibility of Hazardous Reactions

No dangerous reaction known under normal use.

Conditions to Avoid

Heat. Incompatible materials. Sources of ignition.

Incompatible Materials

Strong oxidizers.

Hazardous Decomposition Products

May include and are not limited to: oxides of carbon. May release flammable gases.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute Toxicity: minimally toxic.**

LC50 (vapor inhalation)	LC50 . 5000 mg/m ³ m. Minimally Toxic based on structurally similar materials. test(s) equivalent or similar to OECD Guideline 403. Negligible hazard at ambient/normal handling temperatures.
Irritation No end point data for material LD50 (Ingestion)	>5000mg/kg Minimally Toxic based on structurally similar materials. test(s) equivalent or similar to OECD Guideline 403.
LD50 (dermal)	>5000mg/kg. Minimally Toxic based on structurally similar materials. test(s) equivalent or similar to OECD Guideline 402.
Skin Corrosion / Irritation	May cause skin irritation.
Eye Damage / Irritation	May cause mild, short-lasting discomfort to eyes.
STOT (Specific Target Organ Toxicity) - Single Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	May be fatal if swallowed and enters airways.
STOT (Specific Target Organ Toxicity) - Repeated Exposure	Based on available data, the classification criteria are not met.
Respiratory and/or Skin Sensitization	Based on available data, the classification criteria are not met.
Carcinogenicity: Data available	Not expected to cause cancer based on test data for structurally similar materials. Test(s) equivalent or similar to OECD Guideline 453.
Reproductive Toxicity	
Development of Offspring	Based on available data, the classification criteria are not met.
Sexual Function and Fertility	Based on available data, the classification criteria are not met.
Effects on or via Lactation	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION *(section heading must appear; all content is optional)*

Eco-toxicity	May cause long-term adverse effects in the aquatic environment.
Persistence and Degradability	Not established.
Bio accumulative Potential	Not established.
Mobility in Soil	No additional information available.
Other Adverse Effects	No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS *(section heading must appear; all content is optional)*

Disposal Methods	This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Handle empty containers with care because residual vapors are flammable and may explode. Do not attempt to clean container without proper instructions. Empty containers should be taken for recycling, recovery, or disposal in accordance with governmental regulations. Do not pressurise, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.
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SECTION 14. TRANSPORT INFORMATION

Not regulated for transport in less than bulk quantities. (< 1000kg, or in a container of 450 litre/119 Gallon by land, sea or air, in accordance with: Dept. Of Transportation (DOT-USA), TDG (Canada-), Capacity for land: Dept. Of Transportation (DOT-USA), TDG (Canada-), Sea (IMDG) and air transport (IATA). note: as long as the material is not a hazardous waste or marine pollutant.

UN Number: 2052

Packing group: III

Label(s): none

Transport doc. name: UN 2052, Dipentene solution, NOS, flammable liquid.

Special Precautions Do not handle until all safety precautions have been read and understood.

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations US Federal regulations: All components of this product are listed or exempt on the United States Environmental Protection Agency Toxic substances control act (TSCA) inventory:

SECTION 16. OTHER INFORMATION

NFPA Classification

Health Hazard 2

Fire Hazard 2

Reactivity Hazard 0

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