

Safety Data Sheet



1. IDENTIFICATION

Product name: **Sceneys Natural Citrus Solvent**

Chemical Name: d-Limonene

Synonyms: Citrus Solvent, Citrus Turpene, Citrus Turpentine, Orange Oil

Recommended use: Industrial solvent

Supplier: Sceneys Pty Ltd

ABN: 33 006 721 213

Street Address: 17 Third Ave
Sunshine VIC 3020
Australia

Telephone: (03) 9311 7477 (Mon-Fri, 9am-4pm, AEST)

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2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is classified as hazardous under GHS for Australia criteria

Hazardous Classification

Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 2; Specific Target Organ Toxicant (Repeated Exposure) - Skin Sensitiser: 1B; Acute Toxicity - Oral: 5; Acute Aquatic Toxicant: 1; Chronic Aquatic Toxicant: 1

Hazardous Statement

Flammable Liquid and Vapour

GHS Pictograms



Hazard Statements

H226: Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H336: May cause drowsiness or dizziness

H411: Toxic to aquatic life with long lasting effects

Precautionary Statements

P102: Keep out of reach of children.

P403: Store in a well ventilated place.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P262: Do not get in eyes, on skin, or on clothing.

P273: Avoid release to the environment.

P243: Take precautionary measures against static discharge.

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P501: Dispose of contents, or container in accordance with local/regional/national/international regulation.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Dangerous Goods Classification 3

Poisons Schedule 5

Signal Word Danger

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
d-Limonene	8028-38-6	100

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

First Aid facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media

Alcohol resistant foam, or if unavailable, dry chemical or foam. Do not use water jet.

Hazards from combustion products

Carbon monoxide and carbon dioxide and other organic complexes on incomplete burning or oxidation.

Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus

Hazchem Code: 3Y

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent

vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment

Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for safe handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).

Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress.

Incompatible materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene and painted surfaces

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 30ppm, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified; consider 60ppm, which is the maximum allowable exposure concentration at any time. This product may be identified as a skin sensitiser, indicated as , which means that this product will induce ever-increasing adverse effects with subsequent exposure, such as loss of feeling in extremities, or pain or irritation on contact with the product.

Biological limit values

Not available

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation

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equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/ Body Protection: Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	–	Clear, slightly yellow liquid
Boiling Point/ Range	°C	> 175
Flash Point	°C	45 - 49
Density @ 25°C	g/ml	0.838 – 0.850
Vapour Pressure @ 20°C	kPa	2 mmHg
Explosive Limits (LEL – UEL)	%	0.7 – 6.1
Vapour Density @ 20°C	kPa	0.015
Autoignition Temperature	°C	237
Viscosity @ 20°C	cSt	1.28
Percent Volatiles	%	100
Solubility with Water	% w/w	Insoluble

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at room temperature and pressure

Conditions to avoid

Sources of heat and ignition, open flames.

Hazardous decomposition products

Carbon monoxide, carbon dioxide and other organic complexes on incomplete burning or oxidation.

Hazardous reactions

Oxidising agents, mineral acids, strong alkalis, halogenated compounds and peroxides.

Hazardous Polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This material will cause irritation to the throat and tube to the stomach and may cause nausea. Vomiting may cause the product to be aspirated to the lungs possibly resulting in chemical pneumonitis.

Eye Contact

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Eye contact with this product will cause redness and swelling with a burning sensation and blurred vision.

Skin Contact

Contact with skin may result in irritation. May be absorbed into the skin at high temperature. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation

Harmful by inhalation. Vapours will cause dizziness and drowsiness, nausea, vomiting and headaches.

Chronic Effects

Prolonged or repeated contact can cause drying, defatting and dermatitis.

Other Health Effects Information

Individuals with respiratory or skin conditions will be sensitive to this product. Appropriate industrial hygiene and PPE will minimise the risk of exposure.

Toxicological Information

Oral LD₅₀: Rat: 4400 mg/kg

Dermal TC_{Lo}: Rabbit (dermal): > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill): LC₅₀(96hr): < 1mg/L

Daphnia Magna EC₅₀ (24 hr): < 1mg/L

Blue-green algae (Toxicity threshold 7-8 days): < 1mg/L

Green algae (Toxicity threshold 7-8 days): < 1mg/L

Persistence/ degradability

Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Mobility

Floats on water. If product enters soil, it will be highly mobile and may contaminate groundwater.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

Special Precautions for Landfill or Incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product must be disposed as chemical waste in accordance with the local authority.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	2319	UN No.	2319	UN No.	2319
Proper Shipping Name	100% Liquid Hydrocarbon	Proper Shipping Name	100% Liquid Hydrocarbon	Proper Shipping Name	100% Liquid Hydrocarbon
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Pack Group	III	Pack Group	III	Pack Group	III

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Hazchem	3Y	Hazchem	3Y	Hazchem	3Y
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Dangerous Goods Segregation

This product is classed as Dangerous Goods Class 3, packing group III. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

15. REGULATORY INFORMATION

Country/ Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: 5

16. OTHER INFORMATION

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since the manufacturer/supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

END OF SDS