

Contact Organics FarmSafe Soil Conditioner


1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	Contact Organics Pty Ltd
Address	Suite 43, 45 Riversdale Road, Hawthorn East, VIC 3123, Australia
Telephone	0418 912 682
Fax	Not available
Emergency	0418 912 682
Email	info@contactorganics.com.au
Web Site	www.contactorganics.com.au
Synonym(s)	None
Use	Soil conditioner.

This Safety Data Sheet describes the properties of the concentrated product based on the best available information. The physical properties and health assessments do not apply to the properties of the product when diluted for application. The product is practically non-hazardous when used at the recommended dilution rate.

2. HAZARDS IDENTIFICATION

GLOBALLY HARMONISED SYSTEM (GHS)

Hazard Classification	Skin Corrosion/Irritation, Category 2 Skin Sensitiser, Category 1 Serious eye damage, Category 1 Aspiration hazard, Category 1
Signal Word	DANGER
Pictograms	
Hazard Statements	Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction. May be fatal if swallowed and enters airways.
Precautionary Statements	
Preventative	<p>P260 Do not breathe vapour or spray.</p> <p>P264 Wash hands and exposed skin thoroughly after handling.</p> <p>P280 Wear protective gloves. Protective clothing, eye and face protection.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p>

Response

P301+P330+P331+P310	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or PHYSICIAN.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents and container in accordance with local state and federal regulations.

DANGEROUS GOODS CLASSIFICATION (ADG Code)

Not classified as a dangerous good by the criteria of the Australian Dangerous Goods Code (ADG Code).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content (%w/w)
Limonene	138-86-3	30 - 80
Nonionic surfactants	Not available	10-30
Ingredients determined to be non-hazardous including water	Not available	to 100%

4. FIRST AID MEASURES

Eye	Hold eyes open and flush immediately with large amounts of water for at least 15 minutes. Transport to hospital or doctor if irritation persists. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Inhalation	Remove to fresh air immediately. Lie patient down and keep warm and rested. Items such as false teeth should be removed as they may block or impede airways. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask. Perform CPR if necessary. Transport to hospital, or doctor if rapid recovery does not occur.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing including footwear and wash skin and hair with soap and water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing and shoes before reuse.

Ingestion	Do NOT induce vomiting – aspiration hazard. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Never give liquid to a person showing signs of being sleepy or with reduced awareness. Transport to hospital or doctor without delay
First Aid Facilities	Safety shower and eye wash station.
Medical attention and special treatment	Treat symptomatically.
Medical conditions aggravated by exposure	May cause an allergic skin reaction. Affected individuals should avoid all further contact with this product.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Use foam, dry chemical, Carbon dioxide, water spray or fog for extinction. Do NOT use water jets.
Specific hazards arising from the chemical	Vapours may form explosive mixtures with air. Fire may produce toxic gases (including oxides of carbon, hydrogen chloride and chlorides). Containers may rupture or explode when strongly heated.
Special protective equipment and precautions for fire fighters	Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combatting fire. Use water fog to cool intact containers and nearby storage areas. Prevent, by any means available, spillage from entering drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Clean up spills immediately to prevent further accidents. Eliminate all sources of ignition. Wear personal protective equipment (PPE) as specified in Section 8. Avoid breathing vapours and contact with skin and eyes. Shut off leaks, if safe to do so. Isolate hazard area and deny entry to unnecessary or unprotected personnel.
Environmental precautions	Prevent spills from spreading and entering waterways by using sand, earth or other non-combustible material. Ventilate contaminated area thoroughly.
Methods and materials for containment and cleaning up	Contain spillage, then cover spill with absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. In the event of a large spill, contain spilled material with sand, earth or other absorbent material. Prevent run-off into drains or waterways. Transfer spilled material to suitable containers for re-use or disposal. Transfer contaminated sand or earth into suitable containers for disposal. Suitable containers include plastic or metal drums. Clearly label all containers. Wash contaminated area with water.

7. STORAGE AND HANDLING

Precautions for safe handling

Before use carefully read the product label. Use safe work practices to avoid eye or skin contact and inhalation of vapour. Wear PPE as specified in Section 8. Use product only in well-ventilated areas. Observe good personal hygiene, including washing hands before eating, drinking or smoking. Prohibit eating, drinking and smoking in contaminated areas.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, away from incompatible materials and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Keep in the original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards

Occupational exposure limits: d-Limonene (Terpene hydrocarbons) (CAS No. 5989-27-5): - American Industrial Hygiene Association (AIHA): TWA (8h) = 30 ppm (165.6 mg/m³).

Biological Limits

None allocated.

Engineering Controls

Use with good general ventilation. If mists or aerosols are generated, a system of local and/or general exhaust is recommended to keep employee exposure as low as possible. Local exhaust ventilation is preferable because it can control emissions at source preventing dispersion into the general work area.

Individual protective measures and personal protective equipment (PPE)

Eye Protection: Splash-proof chemical goggles.

Glove Type: Impervious PVC, butyl rubber, nitrile or neoprene gloves.

Clothing: When using large quantities or where heavy contamination is likely, wear appropriate clothing to prevent skin contact. Long sleeved shirt, long trousers and closed shoes are recommended.

Respirator: If an inhalation risk exists, wear an approved respirator fitted with a filter for use against organic gases and vapours (boiling point >65°C). Respirators should comply with AS 1716 or equivalent.

In general, respirator use should be limited, and engineering controls used to minimise exposure. If respirators must be worn, ensure adequate respirator selection and training is undertaken. Some respirators are extremely uncomfortable to wear for extended periods. Air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to brown liquid	Solubility (Water)	Emulsifies
Odour	Citrus	Specific Gravity	1 approx.
Vapour Pressure	Not determined	% Volatiles	Not determined
Vapour Density	Not determined	Flammability	Combustible
Boiling Point	>150°C	Flash Point	Not determined
Melting Point	Not determined	pH (neat)	Not determined
Evaporation Rate	Not determined		

10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended conditions of storage and use.
Chemical Stability	Stable under recommended conditions of storage and use.
Conditions to Avoid	Keep away from heat.
Incompatible materials and possible hazardous reactions	Keep away from strong oxidising agents, strong alkalis and strong acids.
Hazardous decomposition products	Will evolve toxic gases including carbon oxides, hydrogen chloride, chlorides and organic vapours when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Eye	Direct contact with the eye may cause severe irritation, pain, tears and burns. Repeated or prolonged contact may cause permanent damage
Inhalation	Inhalation may cause cough, sore throat, burning sensation, laboured breathing, shortness of breath. Symptoms may be delayed.
Skin	Causes defatting of skin leading to irritation with redness and dryness. May cause dermatitis.
Ingestion	Expected to be of low toxicity. Ingestion may cause abdominal pain and nausea. May be fatal if swallowed and enters airways.
Chronic	May cause an allergic skin reaction.
Toxicity Data	Oral LD50 (rat): >2500 mg/kg (estimated)

12. ECOLOGICAL INFORMATION

Ecotoxicity	This product is regarded as very toxic to aquatic organisms with long lasting effects. LC50: = 35 mg/L, 96h (Oncorhynchus mykiss) Chronic NOEC (for fish) <1mg/L
Persistence and Degradability:	Likely to persist based on the information available.
Mobility in soil	Low.

Bioaccumulative potential Some minor components have the potential to bioaccumulate in some aquatic organisms.

Other adverse effects Product is acidic.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods Recover or recycle if possible. Refer to local waste management authority for other approved methods. Empty containers should be decontaminated by rinsing with water prior to disposal or recycling. Product must be contained and not disposed of in sewerage systems, drains or waterways.

Disposal of contaminated packaging Empty packaging should be washed and disposed of in accordance with local, state, and federal regulations or recycled/reconditioned at an approved facility.

Environmental regulations Dispose of in accordance with relevant local, state and federal legislation.

14. TRANSPORT INFORMATION

LAND TRANSPORT (Australia)

Classification Not classified as a Dangerous Good according to the criteria of the Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

15. REGULATORY INFORMATION

AICS All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Other Information None.

16. OTHER INFORMATION

Additional Information The effects from exposure to this product depend on several factors including frequency and duration of use, the amount used, control measures adopted, personal protective equipment used and method of use. It is impractical to prepare a data sheet that encompasses all possible situations; therefore, it is anticipated that users will assess the risks and apply control measures as appropriate.

Report Status This document is based on the best available information on the date of issue and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for this product. While all due care has been taken to include accurate and up-to-date information, no warranty as to accuracy or completeness is provided. As far as lawfully possible, Contact Organics accepts no liability for any loss, injury or damage (including consequential loss) which may be

suffered or incurred by any person as a consequence of reliance on the information contained in this Safety Data Sheet.

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End of Report