



MATERIAL SAFETY DATA SHEET

Fortified Liquid Compost, LCE 13.5 and LCE 10

Hazardous (“Xi” Irritant) according to the *Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (2004)]*

IMPORTANT NOTICE:

This Material Safety Data Sheet (MSDS) is issued by C-Wise in accordance with National Occupational Health and Safety Commission guidelines. The information contained in this document must not be added to, deleted, or altered. C-Wise will issue a new MSDS when there is a change in the product specifications and/or with the National Occupational Health and Safety Commission guidelines/regulations. C-Wise will not accept any responsibility for any changes made to its MSDS in content by any other person or organisation.

DATE OF FIRST ISSUE:

18th May 2022

DATE OF LAST REVISION:

N/A

Section 1 – Identification of the Material and Supplier

Product (Material) Name:	C-Wise Fortified Liquid Compost Boost LCE 13.5
Recommended Uses:	Pasture and Broadacre
Supplier Name:	C-WISE
Website:	www.cwise.com.au
Supplier Address:	139 Nambeelup Rd, Nambeelup WA 6207
Supplier Tel:	08 9581 9582
Supplier Fax:	08 9581 9585
Emergency Services:	08 9581 9582 (8.00am to 5.00pm Monday to Friday)

Section 2 – Hazards Identification

Hazard Classification: HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) Transport by Road and Rail. Based on available information, this material is classified as hazardous according to NOHSC Criteria.

Hazardous (“Xi” Irritant)

Risk phrase: - R36 – Irritating to eyes.

Section 3 – Composition/ Information on Ingredients

Ingredient	CAS. No.	Content (%)
Water/Fortified compost extract		60 - 80
Ammonium Nitrate	6484-52-2	20 - 40

Note: The actual percentage concentration has been withheld as a trade secret.

Section 4 – First Aid Measures

For advice, contact a Poisons Information Centre (e.g., phone Australia 131 126).

Ingestion: If swallowed these products may cause abdominal discomfort and risk of gastro-intestinal infections. Wash mouth out with water, give water to drink. Seek medical attention if experiencing nausea or abdominal symptoms. The 24-hour **Poison Information Centre hotline 131126** can provide additional assistance.

Eye Irritation: Wear suitable PPE (safety goggles). Liquid mist (bio-aerosols) may be irritating to the eyes and can result in redness and watering, or eye infection. Flush eye/s immediately with gently flowing water (preferably lukewarm) while holding the eyelid open for 10 - 20 minutes or until irritation is alleviated.

Skin Irritation: Wear protective gloves. For some people direct skin contact, or indirect contact via deposits on surfaces or clothing, may lead to skin irritation or sensitisation, dermatitis, or skin infection. Wash affected area as soon as possible with a mild soap and water (preferably lukewarm running water). Treat any cuts with disinfectant.

Inhalation: Use in well-ventilated areas, wear suitable respirator mask. Breathing liquid mists (bio-aerosols) via nose or mouth may irritate, inflame, or sensitise the nose, throat, and lungs, and aggravate pre-existing conditions such as asthma and bronchitis. If irritation is experienced remove from exposure source, move to fresh air and rest until symptoms are alleviated.

Chronic Effects: Repeated inhalation of liquid mist bio-aerosols from these products may result in respiratory irritation, inflammation or sensitisation resulting in illnesses ranging from hay fever and asthma to pneumonia and pneumonia-like illnesses. The elderly, those with pre-existing respiratory diseases, and the immuno-compromised are at higher risk of such illnesses. All people working with these products should ensure that they are protected from tetanus.

Medical attention: Seek medical attention if symptoms persist. Treat symptomatically. Seek immediate medical advice if any unexplained illness with fever, cough or other infections occurs after exposure.

Section 5 – Fire Fighting Measures

Flammability:	Not Flammable.
Suitable Extinguishing Media:	Not combustible
Special Hazards arising From Combustion:	Not combustible. May evolve toxic gases of Ammonia or oxides of Nitrogen when heated to decomposition.
Hazchem Code:	Not Relevant.

Section 6 – Accidental Release Measures

Emergency Procedures: In the event of a road spill or release of the material in a sensitive environment including near water bodies, act to secure the safety of other road users and the clean-up team first.

Advise Main Roads (Western Australia): 138 138
(If a spill occurs from a transport vehicle)

Advise the Fire & Emergency Services Authority 000
of Western Australia (FESA):

Advise the product supplier emergency contact: 08 9581 9582
Isolate the area and deny entry to nonessential and/or unprotect personnel. Emergency responders and/or clean up personnel should wear appropriate protective clothing and equipment.
Prevent the product from getting into drains, sewers, streams, or ponds.

Environmental Precautions: This material contains plant nutrients (including Nitrogen, Phosphorous and Potassium), trace elements and micro-organisms including bacteria, fungi and protozoa that occur naturally in the landscape and soil environment. Care should be taken if spills occur in a sensitive environment, including near water bodies and wetlands.

Methods and Materials for The material is restricted for specific land applications and should be recovered for use as intended or disposal if material is contaminated.

Containment and Clean Up: Supply personal protective equipment to all personnel involved in clean-up. Refer SECTION 8 of this document for information on Exposure Controls/Personal Protection Equipment.

Prevent form entering drains and waterways. Cover and confine spillage with inert absorbent material e.g. sand or soil.

Collect material and contaminated soil promptly. Wash area down with excess water.

Refer to SECTION 13 of this document for information on Disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Check prevailing weather conditions before handling this material and avoid loading, tipping, or spreading in high wind or heavy rain conditions.

Use always recommended Personal Protection Equipment (PPE) when handling this material. Refer to section 8 of this document for information on Exposure Controls/Personal Protection Equipment

Do not mix this product with any other product except under specific advice from the manufacturer.

Carefully read the Safety Data Sheet before using. Always wash hands, eyes, and exposed skin after contact.
Do not eat, drink, or smoke when handling this product.

Wash any areas of the body that come in contact with the material using soap and water. Launder protective clothing before reuse.

Conditions for Safe Storage:

Store in a well-ventilated area. Do not store near strong acids/alkalis. or with combustible materials.

Refer to SECTION 5 of this document for Fire Fighting information.

Section 8 – Exposure Controls/ Personal Protection

Exposure Control Measures:	When pouring or spraying this product, avoid inhalation of mists and aerosols. Wear impervious gloves and goggles when handling this product. If potential exposure to spray mists, wear a good quality respirator suitable for this application.
Engineering Controls:	Store product in a cool, dry place in containers suitable for storage. Use only in a well-ventilated area. Use corrosion resistant materials for equipment exposed to the product.
Personal Protective Equipment:	When spraying this product, wear appropriate protective equipment for eyes, lungs, and skin. Wash contaminated equipment before reuse.
Skin Protection:	Suitable gloves conforming with AS/ NZS 2161: 2000 – Occupational Protective Gloves. Standard duty leather/pigskin, rubber or neoprene gloves are typically most appropriate. Wear full-length protective trousers and shirts (or overalls) and suitable boots for the site.
Eye Protection:	Wear suitable eye protection conforming with AS/ NZS 1336: 1997 – Recommended practices for occupational eye protection. Low impact goggles with indirect ventilation (HT or CT with C, D optional) are typically most appropriate.
Hygiene:	Wash hands with soap and water before consuming food or smoking. Shower and wash body after removal of work clothing. Launder work clothing before reuse.

Section 9 – Physical and Chemical Properties

Appearance:	Liquid
Odour:	Mild earthy odour.
pH:	5 (Typical)
Vapour Pressure:	Not Available
Boiling Point:	Not Available.
Melting Point:	Not Available
Solubility:	Miscible in water

Specific Gravity: 1.17 (Typical)

Section 10 – Stability and Reactivity

Reactivity: No Information Available.
Chemical Stability: Stable under normal conditions of storage and use.
Possibility of hazardous reactions: Evolves noxious ammonia gas when mixed with alkalis. May evolve Oxides of Nitrogen with incompatible materials.
Incompatible Materials: Incompatible with strong oxidising substances, acids, and alkalis. Incompatible with combustible materials.
Hazardous Decomposition Products: May evolve toxic gases of Ammonia or oxides of Nitrogen when heated to decomposition.

Section 11 – Toxicological Information

Health Effects: No adverse health effects expected if the product is handled in accordance with this

Safety Data Sheet.

- **Eye contact:** Irritant. Exposure may result in pain and redness.
- **Inhalation:** Breathing in vapour, mists or aerosols may produce respiratory irritation. Exposure may result in nausea, headache, pain, and gastrointestinal irritation.
- **Skin:** Prolonged and repeated contact may result in irritation, skin rash and dermatitis.
- **Ingestion:** Swallowing may result in irritation to the mouth and throat. Swallowing can result in nausea, vomiting, diarrhoea, and abdominal pain.

Acute toxicity: No LD50 data available for the product.

Section 12 – Ecological Information

Eco-toxicity and Mobility: This material contains plant nutrients (including Nitrogen, Phosphorous and Potassium), trace elements and micro-organisms including bacteria, fungi and protozoa that occur naturally in the landscape and soil environment. Materials should be handled to prevent release of nutrients into waterways. Do not let this product enter drains, water bodies and sewerage systems. This product may be toxic to aquatic life but may stimulate algae growth.

Mobility: The material is water soluble and may disperse in soil.
Persistence & Degradability: No data available. The material is expected to be readily biodegradable.
Bio-accumulative Potential: No information available.
Other Adverse Effects: No information available.

Refer to SECTION 7 of this document for Handling and Storage information to avoid negative ecological impacts from stockpiles.

Section 13 – Disposal Considerations

Disposal Methods: Refer SECTION 7 of this document for Handling and Storage information. For the safety of persons conducting disposal refer SECTION 8 of this document for Exposure Controls and Personal Protection considerations.

Dispose of in accordance with all applicable federal, state, and local regulations.

Section 14 – Transport Information

Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport.

UN Number:	None allocated
UN Proper Shipping Name:	None allocated
Class & Subsidiary Risk:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated

Section 15 – Regulatory Information

Regulatory Status: Xi Irritant, R36 Irritating to eyes. No poisons schedule number is allocated.

Section 16 – Other Information

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This MSDS is consistent with the requirements specified in the *National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition* [NOHSC:2011(2003)]. Whilst the information contained in this document is based on data which, to the best of our knowledge, was accurate and reliable at the time of preparation, no responsibility can be accepted by us for errors and/or omissions. The provision of this information should not be construed as a recommendation to use any of our products in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular and specific circumstances/needs. Since the information contained in this document may be applied under conditions beyond our control, no responsibility can be accepted by us for any loss or damage caused by any person acting or refraining from action as a result of this information.

Key/Legend

NOHSC: National Occupational Health and Safety Commission.
ADG: Australian Dangerous Goods.
UN: United Nations.
LD50: Lethal Dose 50. The single dose of a substance that causes death of 50% of an animal population from exposure other than inhalation.
pH: pH the negative logarithm of the hydrogen ion concentration, [H+], a measure of the degree to which a solution is acidic or alkaline.
CAS: Chemical Abstracts Service.

DISCLAIMER: The information contained in this MSDS is offered in good faith as accurate but does not purport to be all-inclusive. Health and safety precautions in this MSDS may not be adequate for all individuals and/or situations. It is the user's responsibility to determine the suitability of any material for a specific purpose, adopt such precautions as may be necessary and comply with all applicable laws and regulations. This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since The Supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material C-Wise reserves the right to make changes to SDS data without notice.

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Specific Query Contact: Operations Manager
Query Tel: 08 9581 9582
End of MSDS