

## Section 1 - Identification of The Material and Supplier

Ensystex Australasia Pty Ltd  
Warehouse D, Building 6, The Switchyard  
161 Manchester Road Auburn NSW 2144  
13 35 36 (all hours)

Ensystex New Zealand Ltd  
17C Corinthian Drive  
Auckland 0752  
0800 ENSYSTEX (0800 367 978)

**Chemical nature:** Propriety herb-based soap mixture

**Trade Name:** **ECOTHOR Active Nature® Nature-Cide® ALL-PURPOSE Commercial Concentrate**

**Product Use:** Water based insecticide spray

**Creation Date:** **December 2023**

**This version issued:** **December 2023** and is valid for 5 years from this date.

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code, IATA or IMDG/IMSBC criteria.

**UN Number:** None allocated.

**GHS Classification:** Not hazardous.

**GHS Signal word: NONE.**

**HAZARD STATEMENT: -**

**PREVENTION**

**RESPONSE**

**STORAGE**

**DISPOSAL**

P501: Dispose of by wrapping with paper and putting in garbage.

## Emergency Overview

**Physical Description & colour:** Yellow clear liquid.

**Odour:** Mild herbal aroma.

**Major Health Hazards:** Direct contact with eye may cause irritation. Direct contact with skin may cause irritation or allergic reaction in sensitive individuals.

## Potential Health Effects

### Inhalation:

**Short term exposure:** Available data indicates that this product is not harmful.

**Long Term exposure:** Prolonged exposure to concentrate may cause respiratory irritation.

### Skin Contact:

**Short term exposure:** Available data indicates that this product is not harmful.

**Long Term exposure:** No data for health effects associated with long term skin exposure.

### Eye Contact:

**Short term exposure:** Available data indicates that this product is not harmful. It should present no hazards in normal use.

**Long Term exposure:** No data for health effects associated with long term eye exposure.

### Ingestion:

**Short term exposure:** Available data indicates that this product is not harmful.

**Long Term exposure:** No data for health effects associated with long term ingestion.

### Carcinogen Status:

**SWA:** No significant ingredient is classified as carcinogenic by SWA.

**NTP:** No significant ingredient is classified as carcinogenic by NTP.

**IARC:** No significant ingredient is classified as carcinogenic by IARC.

## SAFETY DATA SHEET

Issued by: Ensystex Australasia Pty Ltd

Phone: 13 35 36 (ALL HOURS)

Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)

**Section 3 - Composition/Information on Ingredients**

Ingredients	CAS No	Conc, %	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Clove Oil	8000-34-8	0.5	not set	not set.
Cottonseed Oil	8001-29-4	0.5	not set	not set.
Other non-hazardous ingredients	not allocated to	100	not set	not set.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

**Section 4 - First Aid Measures****General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

**Inhalation:** If symptoms occur, remove the victim to fresh air. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:** Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until product is removed. If irritation persists, get medical advice.

**Eye Contact:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the product is removed, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Contact a Poisons Information Centre, or call a doctor if symptoms occur.

**Ingestion:** If swallowed, do NOT induce vomiting. Wash mouth with water. Contact a Poisons Information Centre, or call a doctor if symptoms occur.

**Section 5 - Fire Fighting Measures**

**Fire and Explosion Hazards:** The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media:** In case of fire, use carbon dioxide, dry chemical, foam, or water spray.

**Fire Fighting:** If a significant quantity of this product is involved in a fire, call the fire brigade.

**Flash point:** Not applicable. **Upper Flammability Limit:** Not applicable.

**Lower Flammability Limit:** Not applicable. **Autoignition temperature:** Not applicable.

**Flammability Class:** Not applicable.

**Section 6 - Accidental Release Measures**

**Accidental release:** In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Otherwise, not normally necessary.

Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use.

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## Section 7 - Handling and Storage

**Handling:** Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

**Storage:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight or extremely high/low temperature. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

**SWA Exposure Limits**      **TWA (mg/m<sup>3</sup>)**      **STEL (mg/m<sup>3</sup>)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

**Ventilation:** No special ventilation requirements are normally necessary for this product.

**Eye Protection:** Protective glasses or goggles are recommended.

**Skin Protection:** No special skin protection is necessary. However, we suggest that you routinely avoid contact with all insecticides and that you wear suitable gloves and protective clothing when skin contact is likely.

**Protective Material Types:** We suggest that protective clothing be made from the following materials: rubber, PVC.

**Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above. Otherwise, not normally necessary.

## Section 9 - Physical and Chemical Properties

<b>Physical Description &amp; colour:</b>	Yellow clear liquid.		
<b>Odour:</b>	Mild herbal.	<b>pH:</b>	8.5 - 8.84
<b>Boiling Point:</b>	N/A	<b>Volatility:</b>	N/A
<b>Freezing/Melting Point:</b>	N/A	<b>Odour Threshold:</b>	N/A.
<b>Volatiles:</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Vapour Pressure:</b>	N/A	<b>Coeff Oil/water distribution:</b>	N/A
<b>Vapour Density:</b>	N/A	<b>Viscosity:</b>	N/A
<b>Specific Gravity:</b>	1.03 - 1.07	<b>Autoignition temp:</b>	N/A
<b>Water Solubility:</b>	Soluble.		

## Section 10 - Stability and Reactivity

**Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

**Conditions to Avoid:** Do not expose to extreme high or low temperatures. Avoid spraying electric equipment due to possibility of shock hazard.

**Incompatibilities:** Strong oxidising agents.

**Fire Decomposition:** Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

**Polymerisation:** This product will not undergo polymerisation reactions.

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**Section 11 - Toxicological Information**

**Toxicity:** Not classified based on available information.

**Classification of Hazardous Ingredients**

Ingredient	Risk Phrases
No ingredient mentioned in the HSIS Database is present.	

**Section 12 - Ecological Information**

This product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Section 13 - Disposal Considerations**

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

**Section 14 - Transport Information**

**ADG Code:** This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

**IATA:** Non-Hazardous for Air Transport.

**Section 15 - Regulatory Information**

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations.

**Section 16 - Other Information**

**This SDS contains only safety-related information. For other data see product literature.**

If there is any conflict between this SDS and the registered label, instructions on the label prevail.

**Acronyms:**

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 <sup>th</sup> edition)
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>CAS number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
<b>IARC</b>	International Agency for Research on Cancer
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>R-Phrase</b>	Risk Phrase
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>UN Number</b>	United Nations Number

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.

Please read all labels carefully before using product.

**SAFETY DATA SHEET**