

Safety Data Sheet (SDS)

1: IDENTIFICATION OF THE SUBSTANCE & SUPPLIER

Product Name: **AQUI-S®**

Recommended use: Aquatic Anaesthetic

Company details: **AQUI-S New Zealand Ltd**
Website: www.aqui-s.com
C/- Ridley Agriproducts Ltd
4/31 Robart Court, Narangba
QLD 4504, Australia
Phone: (61) (7) 3817 9880

Emergency telephone: Poisons Information Centre Australia – 13 11 26

Date of Revision: June 2022

2: HAZARD(S) IDENTIFICATION

Pictogram:



Signal word: Warning

GHS classification:

Acute oral toxicity.	Category 4
Acute dermal toxicity.	Category 4
Skin corrosion/irritation.	Category 2
Serious eye damage/irritation.	Category 2A
Skin sensitisation.	Category 1
Short term (acute) aquatic hazard.	Category 2

Hazard statements:

H302 + H312	Harmful if swallowed or in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause allergic skin reaction.
H401	Toxic to aquatic life.

Precautionary statements:

Prevention:	P103	Read label before use.
	P261	Avoid breathing vapours.
	P264	Wash skin thoroughly after handling.

P280 When handling concentrate wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P301 + P330 + P331 + P312: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 + P332 + P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

Disposal: P501 Dispose of contents / containers to an approved waste disposal plant.

3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration
Isoeugenol	97-54-1	~ 50%
Excipient	-	~ 50%

4: FIRST AID MEASURES

Necessary First Aid Measures:

SKIN CONTACT: If skin contact occurs, remove contaminated clothing and wash the affected area with soap and water. If irritation occurs or persists, seek medical advice.

EYE CONTACT: In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, seek medical advice.

INGESTION: Give up to two glasses of water or milk. Seek medical advice or contact the POISON CENTER.

INHALATION: Move the victim to fresh air immediately. If breathing is difficult, seek medical advice.

Required instructions: For advice contact the Poisons Information Centre Australia (13 11 26) or a doctor.

Workplace facilities: Emergency showers and eyewashes may be warranted depending on quantity and type of use.

Hygiene instructions: Avoid ingestion, inhalation and contact with skin and eyes. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after work. Wash any protective clothing after use.

Notes for Medical Personnel: Treat symptomatically.

5: FIRE FIGHTING MEASURES

Flammability: This product is not flammable.

Extinguishing media & Methods: Use water spray, foam, carbon dioxide or dry chemical extinguishers.

Recommended protective clothing: This product is not flammable but toxic vapours may be released during fire. Wear full protective clothing and self-contained breathing apparatus (SCBA).

Hazchem code: None allocated.

6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Personnel involved in clean-up should wear appropriate personal protective equipment to minimise exposure. This should include the use of eye protection, chemically resistant gloves, boot and/or overalls. Evacuate the spill area and deny entry to unnecessary and unprotected personnel. Prevent further spillage & prevent material from entering surface water drains or waterways. If a significant quantity of material enters drains, advise emergency services.
Spill Procedure:	Small spills can be wiped up with cloth or paper. Standard absorbents (sand, sawdust, vermiculite, etc.) can be used to contain large spills. Wash area with water after mop up.

7: HANDLING & STORAGE

Precautions for Safe Handling:	Avoid contact with skin & eyes. Keep containers adequately sealed during material transfer, transport, or when not in use.
Regulatory Requirements:	Not applicable.
Handling Practices:	Change work clothes regularly. Avoid ingestion, inhalation and contact with skin and eyes. Do not eat, drink or smoke while using this product. Wash hands and exposed skin before eating, drinking or smoking and after handling.
Approved Handlers:	Not required.
Conditions for Safe Storage:	Keep out of reach of children. Store in original container & keep tightly sealed when not in use.
Storage Site Requirements:	Store below 30°C (room temperature) in a cool dry area, away from direct heat or direct sunlight.
Packaging:	HDPE containers.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Standards:	No WES have been set for this substance.
Application in the Workplace:	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure Standards Outside the Workplace:	Tolerable Exposure Limit: No TEL is set for this substance at this time. Environmental Exposure Limit: EEL is not applicable.
Engineering Controls:	Engineering controls should be used as the primary means to control exposures. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
Personal Protection:	Wear chemical resistant gloves, overalls & a face-shield or safety glasses. A respirator may be required if using in confined or poorly ventilated conditions.

9: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear viscous yellow liquid
Odour:	Floral carnation, clove
Boiling Point:	266°C (1 atm)
Vapour Pressure:	<0.02 mm/Hg @ 25°C
Specific Gravity:	1.090
Flash Point:	No data available
Flammability Limits:	Not available, combustible
Solubility:	Dispersible and slightly soluble in water. Soluble in ethanol

10: STABILITY & REACTIVITY

Stability of the Substance:	Stable under normal temperatures and pressures
Conditions to Avoid:	Avoid high temperatures
Material to Avoid:	Strong oxidisers
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide

11: TOXICOLOGICAL INFORMATION

Oral:	Product – Acute toxicity estimate: 2,580 mg/kg Isoeugenol - LD ₅₀ (rats) = 1,290 mg/kg
Dermal:	Product - Acute toxicity estimate: 3,824 mg/kg Isoeugenol - LD50 (Rabbit): 1,912 mg/kg
Inhalation:	Acute toxicity estimate: > 1 - 5 mg/L Exposure time: 4 h Test atmosphere: dust/mist
Other Toxicity Info:	Not Available

12: ECOLOGICAL INFORMATION

Ecotoxicity:		
<i>Daphnia magna</i>	Water flea (48h)	LC ₅₀ (mg/L) 10.3
<i>Pimephales promelas</i>	Fathead minnow (96h)	LC ₅₀ (mg/L) 18.6
<i>Oncorhynchus mykiss</i>	Rainbow trout (96h)	LC ₅₀ (mg/L) 7.7
<i>Coturnix sp.</i>	Quail	LD ₅₀ (mg/kg) 316

13: DISPOSAL CONSIDERATIONS

Disposal:	Dispose of in accordance with local regulations.
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14: TRANSPORT INFORMATION

Relevant Information:	No special transport requirements necessary.
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15: REGULATORY INFORMATION

APVMA Registration No.:	48157
APVMA Controls:	See https://portal.apvma.gov.au/pubcris for registration conditions.

16: OTHER INFORMATION

Additional Information:	AQUI-S® is a registered trademark of AQUI-S New Zealand Ltd.
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AQUI-S NZ Ltd urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarizes, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, AQUI-S NZ Ltd extends no warranties and makes no representations as to the accuracy or completeness of the information contained therein, and assumes no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).