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MATERIAL SAFETY DATA SHEET

1. Material and Supply Company Identification

Name Aqualis H2Oil

Synonyms H2Oil, Decking Finish, Deck Coating, Decking Sealer

APPLICATION: Water based coating finish for all interior/exterior timber/bamboo decking and furniture.

2. Hazards Identification

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



Signal Word : Warning

Classification according to Regulation (EC) No.1272/2008 [CLP/GHS]

Aquatic Chronic 3, H214

Poisons Schedule : Not Applicable for this product

Hazard Statements : H412 – Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 - Keep out of reach of children.
P103 - Read Label before use.
P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing including eye/face protection.

Response Precautionary Statements

- P101 - If medical advice is needed, have product container or label at hand.
- P302+P352 - IF On SKIN : Wash with plenty of water and soap.
- P333+P313 - If skin irritation or rash occurs : Get medical advice/attention.
- P362+P364 - Take off contaminated clothing and wash it before reuse.

Disposal Precautionary Statement

P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental labeling : Contains 3-iodo-2-propynyl butyl carbamate. May produce an allergic reaction. Warning ! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Poison Schedule: Not Applicable

3. Composition Information

% Composition by wt	0-1	>60	CAS RN	TWA PPM	STEL mg/m ³
Butoxy ethanol	X		111-76-2	25	246.0
2-(2-butoxyethoxy)ethanol	X		112-34-5	10	101.2
3-iodo-2-propynyl-butylcarbamate	X		55406-53-6		10.0
5-chloro-2-methyl-4-isothiazolin-3-one	X		26172-55-4		0.23
2-methyl-4-isothiazolin-3-one	X		2682-20-4		4.5
Non-hazardous ingredients		X			

4. First Aid

General: When in doubt, or when symptoms persist, seek medical attention or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

EYES: Flush eyes with water for at least 15 minutes. Ensure irrigation under both eyelids is achieved. Transport patient to hospital or doctor if required. Do not attempt to remove contact lenses, this should only be undertaken by skilled personnel.

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation occurs, seek medical attention.

INHALATION: Move patient to fresh air away from contamination source and remove contaminated clothing. Keep patient in recovery position and keep warm until recovered. If irritation persists, seek medical attention.

INGESTION: If swallowed do not induce vomiting. Wash mouth with water. Give water to drink to dilute stomach contents. If vomiting occurs, place victim's head downward, head lower than hips to prevent vomit entering lungs. Seek immediate medical attention. Never administer anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical attention.

5. Fire Fighting

FIRE AND EXPLOSION HAZARDS:

Non-Combustible

Hazchem Code: Not Applicable

Extinguishing Equipment: Water Fog, Alcohol resistant Foam, Dry Chemical powder, carbon Dioxide

Hazardous Decomposition Products: Carbon dioxide and monoxide, oxides of nitrogen, fire will produce black acrid smoke.

Fire Fighting Protection: Fire fighters should wear appropriate breathing apparatus.

6. SPILL OR LEAK PROCEDURES

Slip Hazard clean up immediately. Avoid contact with skin and eyes. Wear appropriate safety equipment. Absorb spill with inert material such as sand, vermiculite, or other absorbent material. Do not permit spilled material to flow into sewer or natural waterway.

For small spills allow the collected absorbent to dry and dispose of with normal household garbage.

For large spills clear area of all un-protected personnel, collect and seal used absorbent material in labelled drums or suitable containers for disposal. Advise local emergency services if contamination of sewer or waterway has occurred. Contact local waste management authority for correct disposal procedure.

7. Storage and Handling

Storage

Store in a cool, dry well-ventilated place and out of direct sunlight. Store cans away from oxidising agents, foodstuffs, and clothing. Check containers regularly for leaks. Keep containers closed securely when not in use.

Handling

Avoid skin contact and inhalation of vapour, mist, or aerosols.

8. Exposure Control and Personal Protection

Exposure control measures

No value is assigned specifically for this product, however work-place exposure for individual constituents is:

2- Butoxyethanol: 123 mg/m³ (25ppm) TWA (8hr) skin, 246 mg/m³ (50ppm) STEL15 min

LD50 Oral (Rat) 1746 mg/kg

LD50 Dermal (Guinea Pig) >2000 mg/kg

LC50 Inhalation (Rat 4hr) 450 PPM

Toxicologically Synergistic No Information Available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	Irritating to eyes and skin.
Sensitization	Not classified as a respiratory or skin sensitiser.
Biological Monitoring	No biological limit allocated.
Carcinogenicity	Not classified as a human carcinogen.
Germ cell mutagenicity	Not classified as a germ cell mutagen.
Reproductive Toxicity	Not classified as a reproductive toxicant.
Developmental Effects	None listed.
Teratogenicity	None listed.
Aspiration	Not classified as presenting an aspiration hazard.

2-(2-Butoxyethoxy)ethanol: 67.5 mg/m³ (10 ppm) TWA (8 hr), 101.2 mg/m³ (15 ppm) STEL 15 min

LD50 Oral (Rat) 6031 mg/kg

LD50 Dermal (Rabbit) 9143 mg/kg

LC50 Inhalation (Rat 4hr) > 5240 mg/m³

Toxicologically Synergistic	No Information Available
Irritation	Irritating to eyes and skin
Sensitization	Not classified as a respiratory or skin sensitiser.
Biological Monitoring	No biological limit allocated
Carcinogenicity	Not classified as a human carcinogen
Germ cell mutagenicity	Not classified as a germ cell mutagen.
Reproductive Toxicity	Not classified as a reproductive toxicant.
Developmental Effects	None listed
Teratogenicity	None listed
Aspiration	Not classified as presenting an aspiration hazard.

ENGINEERING CONTROLS:

As with good work safe practices, use in a well-ventilated area, under normal conditions general exhaust is adequate. Avoid generating and inhaling mists and vapours. If applying by spray, wear appropriate face masks or breathing apparatus. Keep containers closed when not in use.

PERSONAL PROTECTION

Inhalation:

If spray painting Wear an Australian Standard Approved respirator. The selection of class and type will be dependent on level of air-borne contaminant and chemical type. Otherwise use in a well-ventilated area.

Eyes:

Chemical goggles or safety glasses with side shields. Do not wear contact lenses as they absorb and concentrate irritants.

Hands:

Wear rubber gloves. Do not wash hands with solvent; use industrial hand cleansing cream or soap and water.

Clothing:

Wear protective clothing that minimizes the risk of skin contamination. Wear safety footwear.

9. PHYSICAL and Chemical Data

Appearance:	Milky or Coloured liquid
Odour:	Typical of water based paint
Specific Gravity:	0.950 – 1.15 kg/l
Solubility in water g/l:	Miscible
Boiling Point:	Approx 100°C
PH	8 – 8.5
Viscosity B4 cup	13 -18 sec

10. Stability and Reactivity Data

STABLE	X
UNSTABLE	

Materials to avoid: Strong oxidizing agents.
Reactivity: No reactivity hazards are known for this product.
Chemical stability: Stable when stored and used as directed.
Hazardous Reactions: None known for this product.
Conditions to avoid: Elevated temperatures.

11. Toxicological Information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the mixture.

No adverse effects are expected if product is handled in accordance with recommendations as set out in this data sheet, however symptoms which may arise from misuse and overexposure are as follows:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant.

Acute Oral Toxicity

Acute toxicity estimate: > 5,000 mg/kg (Calculation method)

Acute Inhalation Toxicity

Acute toxicity estimate: >20.0 mg/l, 4 h, dust/mist (Calculation method)

Acute Dermal Toxicity

Acute toxicity estimate: > 5,000 mg/kg (Calculation method)

Carcinogenicity:

No carcinogenic substances

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes.
Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation:

Inhalation: this material has been classified as not a respiratory sensitiser.
Skin: this material has been classified 6.5B - Substances that are contact sensitisers.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous as defined by IARC, NTP and/or OSHA.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. Ecological Information

Ecotoxicity

Acute toxicity:

Fish –	No Data Available
Aquatic invertebrate -	No Data Available
Algae -	No data Available
Microorganisms -	No Data Available

Chronic Toxicity

Fish –	No Data Available
Aquatic invertebrate -	No Data Available
Algae -	No Data Available
Microorganisms -	No Data Available

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be PBT or a vPvB

Persistence and Degradability

Biodegradable

Bio accumulative Potential

None

Mobility in Soil

Miscible in water

Other Adverse Effects

No data available

13. Disposal

The generation of waste should be avoided or minimized wherever possible. Recycle where possible; dispose of containers at an authorised landfill. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. If in doubt, Consult local land waste Management Authority for disposal.

With present knowledge of all ingredients used this product is not considered as hazardous waste by the supplier.

14. Transport Information

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Always transport product in sealed containers which are upright, and secure. Ensure persons transporting the product know what to do in the event of an accidental spillage.

UN No: None Allocated

D.G: None Allocated

HAZCHEM: None Allocated

P.G: None Allocated

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory Information

Safety, health and environment regulations/legislation specific for the substance or mixture

Classification (SAFE WORK AUSTRALIA) Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, the Australian Code for the Transport of Dangerous Goods by Road and Rail and the "New Zealand NZS5433: Transport of Dangerous Goods on Land":

NON-DANGEROUS GOODS. NOT DANGEROUS GOODS.

Poison Schedule (Australia): Not scheduled.

Australian Inventory of Chemical Substances (AICS/NICNAS): All components of this product are on the inventory.

Inventory Status:

Inventory	Status
Australia (AICS/NICNAS)	Y
Europe (EINECS/ELINCS)	Y
China (IECSC)	Y
Korea, Republic of (KECI KR)	Y
New Zealand (NZIOC)	Y
Philippines (PICCS PH)	Y
Taiwan (TCSI)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

Chemical Safety Assessment: No chemical Safety Assessment has been carried out.

16. Other Information

Date of preparation : 01/06/2024

Revised

Changes in revision : updated to GHS 7

Australian Poisons Information Centre: 13 11 26

Police, Fire brigade or Ambulance: 000

Aqualis Coatings 1300 046 832

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