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SAFETY DATA SHEET

Issue Date 06-Jul-2017

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Version
1

Section 1: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name Aquabind

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended Use Recommended for Industrial and/or Professional use only

Details of the supplier of the safety data sheet

Manufacturer

Allnex New Zealand Ltd
14 Industry Road
Penrose
Auckland 1061
New Zealand

For further information, please contact

Contact Point +64 (09) 583 6500

E-mail addresscomplianceANZ@allnex.com

Emergency telephone number

Emergency Telephone +64 0800 803 002

Section 2: HAZARD(S) IDENTIFICATION

Regulatory information Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand

EPA New Zealand HSNO approval code or group standard HSR002670
Group Standard: Surface coatings and colourants (Subsidiary hazard) Group Standard 2006.

Dangerous Goods Class Not regulated

GHS Classification

Skin sensitisation Category 1 (HSNO - 6.58)

Label elements



Signal word Warning

ZGHS - RH3JR

Hazard statements

H317 - May cause an allergic skin reaction

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before re-use

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

No hazard identified

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture**Chemical Name**

Diethylene glycol monobutyl ether

CAS No

112-34-5

Weight-%

1-<5

Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one
[EC no.247-500-7] and

55965-84-9

<0.1

2-methyl-4-isothiazolin-3-one [EC no. 220-239-6]
(3:1)]

Non-hazardous ingredients

Balance

Section 4: FIRST AID MEASURES**Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

Emergency telephone number

Poisons Information Centre, New Zealand: 0800 764 766

Inhalation

Remove to fresh air. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Skin contact

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Get medical attention if irritation develops and persists.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If easy to do, remove contact lenses.

Ingestion

Clean mouth with water and drink afterwards plenty of water. Treat symptomatically. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use water jetstream

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes. May cause sensitisation by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapours. Product is or contains a sensitiser. May cause sensitisation by skin contact.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Collect spillage.

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Precautions to prevent secondary hazards

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep from freezing.

Incompatible materials

None known based on information supplied.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Exposure Limits

Biological occupational exposure limits

Not applicable

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Suitable protective clothing.

Respiratory protection Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Appearance	No information available
Colour	white
Odour	sweet
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.0	
Melting point / freezing point		No information available
Boiling point/boiling range		No information available
Flash point		No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		No information available
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapour pressure		No information available
Vapour density		No information available
Relative density		No information available
Water solubility		
Solubility(ies)		No information available
Partition coefficient		No information available
Auto-ignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity	3000	
Explosive properties	No information available	
Oxidising properties	No information available	

Other Information

VOC Content (%) No information available

Density 1.0

* This information may be derived from the components in the preparation.

Section 10: STABILITY AND REACTIVITY**Reactivity**

No Data Available.

Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Possibility of Hazardous Reactions**Possibility of Hazardous Reactions**

None under normal processing.

Conditions to avoid**Incompatible materials**

No information available.

Hazardous Decomposition Products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION**Acute toxicity**

Information on likely routes of exposure

Product Information

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged contact may cause allergic reactions in very susceptible persons. (based on components).

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Converted acute toxicity point estimates may have been used when only acute toxicity hazard classification is available.

ATEmix (dermal) 61,364.00
 0% of the mixture consists of ingredient(s) of unknown toxicity
 0% of the mixture consists of ingredient(s) of unknown acute oral toxicity
 0% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
 0% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene glycol monobutyl ether	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC no.247-500-7) and 2-methyl-4-isothiazolin-3-one EC no. 220-239-6) (3: 1]]	= 53 mg/kg (Rat)	-	-

See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short and long-term exposureSkin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Sensitisation

May cause sensitisation by skin contact.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

No information available.

Section 12: ECOLOGICAL INFORMATION**Ecotoxicity****Unknown Aquatic Toxicity**

0.0240034% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name

Diethylene glycol monobutyl ether

Fish1300 mg/L LC50 96 h *Lepomis macrochirus static*

Chemical Name	Crustacea
Diethylene glycol monobutyl ether	2850 mg/L EC50 24 h <i>Daphnia magna</i> 100 mg/L EC50 48 h <i>Daphnia magna</i>

Chemical Name

Diethylene glycol monobutyl ether

Algae/aquatic plants100 mg/L EC50 96 h *Desmodesmus subspicatus***Persistence and degradability**

No information available.

Bioaccumulative potential

No information available.

Mobility**Mobility in soil**

No information available.

Mobility

No information available.

Other adverse effects

No information available.

Endocrine Disruptor Information.**Section 13: DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Since empty containers retain product residue, follow label warnings even after container is emptied.

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Observe all label precautions until container is cleaned, reconditioned or destroyed. Refer to all federal, state and local regulations prior to disposal of container and unused contents by re-use, recycle or disposal.

Section 14: TRANSPORT INFORMATION**Road transport**

Not regulated

Not regulated

Transport in Bulk According to Annex II of MAR POL and the IBC CODE

No information available

Not regulated

Section 15: REGULATORY INFORMATION

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

New Zealand

Regulatory information Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. See section 8 for national exposure control parameters.

EPA New Zealand HSNO approval code or group standard HSR002670
Group Standard: Surface coatings and colourants (Subsidiary hazard) Group Standard 2006.

International Inventories

AICS - Australian Inventory of Chemical Substances	Listed or exempt
DSL - Canadian Domestic Substances List	No information available
IECSC - China Inventory of Existing Chemical Substances	No information available
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	No information available
ENCS - Japan Existing and New Chemical Substances	No information available
KECL - Korean Existing and Evaluated Chemical Substances	No information available
NZIoC - New Zealand Inventory of Chemicals	Listed or exempt
PICCS - Philippines Inventory of Chemicals and Chemical Substances	No information available
CICR - Turkey Chemical Inventory Control Regulation	No information available
NCSR - Taiwan National Chemical Substance Registry	No information available
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	No information available

For confirmation on the European REACh status contact Bowers Brothers Concrete Limited at sales@bowersbrothers.co.nz

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

Section 16: ANY OTHER RELEVANT INFORMATION

Revision Date 06-Jul-2017

Revision Note New Format

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value		Skin designation
C	Carcinogen		

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End of Safety Data Sheet