

# **ABA Ready-Mixed Wall Tile Adhesive**

Ardex Singapore Pte. Ltd

Chemwatch: **81-6536** Version No: **2.1.1.1** 

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 2

Issue Date: **15/06/2017** Print Date: **16/06/2017** S.GHS.AUS.EN

# SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### **Product Identifier**

Product name	ABA Ready-Mixed Wall Tile Adhesive		
Synonyms	Not Available		
Other means of identification	Not Available		

#### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Adhesive paste.

#### Details of the supplier of the safety data sheet

Registered company name	Ardex Singapore Pte. Ltd
Address	26 Tuas Avenue 4 639376 Singapore
Telephone	+65 68 617 700
Fax	+65 68 623 381
Website	Not Available
Email	Not Available

# Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	Not Available
Other emergency telephone numbers	Not Available

# **SECTION 2 HAZARDS IDENTIFICATION**

# Classification of the substance or mixture

# HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

# CHEMWATCH HAZARD RATINGS

	Min	Max	
Flammability	0		
Toxicity	0		0 = Minimum
Body Contact	0		1 = Low 2 = Moderate
Reactivity	0		3 = High
Chronic	2		4 = Extreme

Poisons Schedule Not Applicable			
Classification [1]	Classification [1] Skin Sensitizer Category 1		
Legend: 1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI			

#### Label elements

Hazard pictogram(s)



ABA Ready-Mixed Wall Tile Adhesive

Issue Date: **15/06/2017** Print Date: **16/06/2017** 

0.000			
SIGNAL WORD	WARNING		
Hazard statement(s)			
H317	May cause an allergic skin reaction.		
Precautionary statement(s)	Prevention		
P280	Wear protective gloves/protective clothing/eye protection/face protection.		
P261 Avoid breathing mist/vapours/spray.			
P272	Contaminated work clothing should not be allowed out of the workplace.		
Precautionary statement(s)	Response		
P363	Wash contaminated clothing before reuse.		
P302+P352	P302+P352 IF ON SKIN: Wash with plenty of soap and water.		
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.		

# Precautionary statement(s) Storage

Not Applicable

# Precautionary statement(s) Disposal

P501

Dispose of contents/container in accordance with local regulations.

#### **SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

# Substances

See section below for composition of Mixtures

#### Mixtures

CAS No	%[weight] Name	
5395-50-6	<0.5	tetramethylol acetylene diuriene
26530-20-1	<0.5	2-octyl-4-isothiazolin-3-one
55965-84-9	<0.5	isothiazolinones, mixed
7664-41-7	NotSpec.	ammonia anhydrous liquefied
Not Available	>60	Ingredients determined not to be hazardous

# **SECTION 4 FIRST AID MEASURES**

# Description of first aid measures

Eye Contact	If this product comes in contact with the eyes:  Wash out immediately with fresh running water.  Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.  Seek medical attention without delay; if pain persists or recurs seek medical attention.  Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.			
Skin Contact  Skin Contact  If skin contact occurs:  Immediately remove all contaminated clothing, including footwear.  Flush skin and hair with running water (and soap if available).  Seek medical attention in event of irritation.				
Inhalation	<ul> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>			
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>			

# Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# SECTION 5 FIREFIGHTING MEASURES

#### **Extinguishing media**

- ▶ There is no restriction on the type of extinguisher which may be used.
- ▶ Use extinguishing media suitable for surrounding area.

# Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

# Advice for firefighters

Fire Fighting

▶ Alert Fire Brigade and tell them location and nature of hazard.

Chemwatch: 81-6536 Page 3 of 8 Issue Date: 15/06/2017 Version No: 2.1.1.1 Print Date: 16/06/2017

# **ABA Ready-Mixed Wall Tile Adhesive**

▶ Wear breathing apparatus plus protective gloves in the event of a fire. ▶ Prevent, by any means available, spillage from entering drains or water courses. ▶ Use fire fighting procedures suitable for surrounding area. ► Non combustible. ▶ Not considered a significant fire risk, however containers may burn. Fire/Explosion Hazard May emit poisonous fumes May emit corrosive fumes. **HAZCHEM** Not Applicable

# **SECTION 6 ACCIDENTAL RELEASE MEASURES**

# Personal precautions, protective equipment and emergency procedures

See section 8

#### **Environmental precautions**

See section 12

# Methods and material for containment and cleaning up

Minor Spills	<ul> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Wear impervious gloves and safety goggles.</li> <li>Trowel up/scrape up.</li> </ul>
Major Spills	<ul> <li>Absorb or contain isothiazolinone liquid spills with sand, earth, inert material or vermiculite.</li> <li>The absorbent (and surface soil to a depth sufficient to remove all of the biocide) should be shovelled into a drum and treated with an 11% solution of sodium metabisulfite (Na2S2O5) or sodium bisulfite (NaHSO3), or 12% sodium sulfite (Na2SO3) and 8% hydrochloric acid (HCI).</li> <li>Glutathione has also been used to inactivate the isothiazolinones.</li> <li>Use 20 volumes of decontaminating solution for each volume of biocide, and let containers stand for at least 30 minutes to deactivate microbicide before disposal.</li> </ul>

Personal Protective Equipment advice is contained in Section 8 of the SDS.

#### **SECTION 7 HANDLING AND STORAGE**

# Precautions for safe handling

Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> </ul>
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> </ul>

# Conditions for safe storage, including any incompatibilities

Suitable container  Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.  Storage incompatibility Avoid reaction with oxidising agents		► Packing as recommended by manufacturer.	
		Avoid reaction with oxidising agents	

# **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control parameters**

# OCCUPATIONAL EXPOSURE LIMITS (OEL)

# INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	ammonia anhydrous liquefied	Ammonia	17 mg/m3 / 25 ppm	24 mg/m3 / 35 ppm	Not Available	Not Available

# **EMERGENCY LIMITS**

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
ammonia anhydrous liquefied	Ammonia	Not Available	Not Available	Not Available
Lucia Paul	Octobrida LIDI II		Burden HBI II	
Ingredient	Original IDLH		Revised IDLH	
tetramethylol acetylene diuriene	Not Available		Not Available	
2-octyl-4-isothiazolin-3-one	Not Available		Not Available	
isothiazolinones, mixed	Not Available		Not Available	
ammonia anhydrous liquefied	500 ppm		300 ppm	
Ingredients determined not to be hazardous	Not Available		Not Available	

Version No: 2.1.1.1

#### **ABA Ready-Mixed Wall Tile Adhesive**

Issue Date: 15/06/2017 Print Date: 16/06/2017

#### Appropriate engineering controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.

# Personal protection









#### Eve and face protection

- Safety glasses with side shields
- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

#### Skin protection

See Hand protection below

▶ Wear chemical protective gloves, e.g. PVC.

- ▶ Wear safety footwear or safety gumboots, e.g. Rubber
- NOTE:

#### Hands/feet protection

- Fig. The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.
- Butyl rubber gloves
- ▶ Nitrile rubber gloves

#### **Body protection**

See Other protection below

Other protection

- Overalls.
- P.V.C. apron.
- ► Barrier cream.
- Thermal hazards
- Not Available

#### Recommended material(s)

#### GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the computergenerated selection:

ABA Ready-Mixed Wall Tile Adhesive

Material	СРІ
BUTYL/NEOPRENE	С
CPE	С
SARANEX-23	С
VITON/NEOPRENE	С

<sup>\*</sup> CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

#### Respiratory protection

Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	AK-AUS P2	-	AK-PAPR-AUS / Class 1 P2
up to 50 x ES	-	AK-AUS / Class 1 P2	-
up to 100 x ES	-	AK-2 P2	AK-PAPR-2 P2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

# **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

# Information on basic physical and chemical properties

Appearance	White paste; mixes with water.		
Physical state	Non Slump Paste	Relative density (Water = 1)	~1.32
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	8-9	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available

Chemwatch: 81-6536 Page 5 of 8 Issue Date: 15/06/2017 Version No: 2.1.1.1 Print Date: 16/06/2017

# **ABA Ready-Mixed Wall Tile Adhesive**

Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

# **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	See section 7
Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation (as classified by EC Directives

# **SECTION 11 TOXICOLOGICAL INFORMATION**

# Information on toxicological effects

Inhaled	using animal models). Nevertheless, adverse systemic effects have been produced following exposure of animals by at least one other route and good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.		
Ingestion	Accidental ingestion of the material may be damaging to the health of the individual.  Taken by mouth, isothiazolinones have moderate to high toxicity. The major signs of toxicity are severe stomach irritation, lethargy, and inco-ordination.		
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models).  Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.  Solutions of isothiazolinones may be irritating or even damaging to the skin, depending on concentration. A concentration of over 0.1% can irritate, and over 0.5% can cause severe irritation.  Open cuts, abraded or irritated skin should not be exposed to this material  Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.		
Еуе	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).  Solutions containing isothiazolinones may damage the mucous membranes and comea. Animal testing showed very low concentrations (under 0.1%) did not cause irritation, while higher levels (3-5.5%) produced severe irritation and damage to the eye.		
Chronic	Skin contact with the material is more likely to cause a sensitisatic The isothiazolinones are known contact sensitisers. Sensitisation	on reaction in some persons compared to the general population.  is more likely with the chlorinated species as opposed to the non-chlorinated species.	
ABA Ready-Mixed Wall Tile	TOXICITY	IRRITATION	
Adhesive	Not Available	Not Available	
tetramethylol acetylene	тохісіту	IRRITATION	
diuriene	Not Available	Not Available	
	тохісіту	IRRITATION	
	Dermal (rabbit) LD50: 690 mg/kgE <sup>[2]</sup>	Eye (rabbit): 0.5% non irritant	
	Oral (rat) LD50: 550 mg/kgs <sup>[2]</sup>	Eye (rabbit): 45% conc CORROSIVE	
2-octyl-4-isothiazolin-3-one		Eye (rabbit): 5% conc moderate	
		Eye(rabbit):100 mg SEVERE	
		Skin (rabbit): 45% conc SEVERE	
		Skin (rabbit): 500 mg/24 hours	
	TOXICITY	IRRITATION	
isothiazolinones, mixed	Oral (rat) LD50: 53 mg/kgd <sup>[2]</sup>	Not Available	
	TOXICITY	IRRITATION	
ammonia anhydrous liquefied	Inhalation (rat) LC50: 2000 ppm/4hr <sup>[2]</sup>	Not Available	
пристей	Inhalation (rat) LC50: 2375 ppm/1hr <sup>[2]</sup>		
Legend:	Value obtained from Europe ECHA Registered Substances - A extracted from RTECS - Register of Toxic Effect of chemical Substances.	Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data ostances	

ABA Ready-Mixed Wall Tile

Oral (Rat) LD50: >5000-1000 mg/kg\*

Chemwatch: 81-6536 Page 6 of 8

Version No: 2.1.1.1

Issue Date: 15/06/2017 Print Date: 16/06/2017

Adhesive Formaldehyde generators (releasers) are often used as preservatives. The maximum authorised concentration of free formaldehyde is 0.2% and must be labelled with the warning sign "contains formaldehyde" where the concentration exceeds 0.05%. The use of formaldehyde-releasing preservatives ensures that **TETRAMETHYLOL** the level of free formaldehyde in the products is always low but sufficient to inhibit microbial growth - it disrupts metabolism to cause death of the organism. ACETYLENE DIURIENE However there is a concern that formaldehyde generators can produce amines capable of causing cancers (nitrosamines) when used in formulations containing amines 2-OCTYL-ROHM & HAAS Data ADI: 0.03 mg/kg/day NOEL: 60 mg/kg/day 4-ISOTHIAZOLIN-3-ONE The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. ISOTHIAZOLINONES, The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. **TETRAMETHYLOL ACETYLENE DIURIENE &** The following information refers to contact allergens as a group and may not be specific to this product. 2-OCTYL-Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves 4-ISOTHIAZOLIN-3-ONE & a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune ISOTHIAZOLINONES, MIXED 2-OCTYL-Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive 4-ISOTHIAZOLIN-3-ONE & airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include ISOTHIAZOLINONES, the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a MIXED & AMMONIA documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe ANHYDROUS LIQUEFIED bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia. ISOTHIAZOLINONES, MIXED & AMMONIA No significant acute toxicological data identified in literature search. ANHYDROUS LIQUEFIED 0 0 **Acute Toxicity** Carcinogenicity 0 0 Skin Irritation/Corrosion Reproductivity Serious Eye 0 STOT - Single Exposure 0 Damage/Irritation Respiratory or Skin 0 J STOT - Repeated Exposure sensitisation 0 0

**ABA Ready-Mixed Wall Tile Adhesive** 

**Aspiration Hazard** Legend:

Data available but does not fill the criteria for classification

– Data available to make classification

O - Data Not Available to make classification

# **SECTION 12 ECOLOGICAL INFORMATION**

Mutagenicity

#### Toxicity

ABA Ready-Mixed Wall Tile Adhesive	ENDPOINT	TEST DURATION (HR)	SPECIES		VALUE	SOURCE
	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable
	ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE		SOURCE
tetramethylol acetylene diuriene	LC50	96	Fish	2754660	).13862mg/L	3
ulunene	EC50	96	Algae or other aquatic plants	4727971	81.15414mg/L	3
	ENDPOINT	TEST DURATION (HR)	SPECIES	1	VALUE	SOURCE
	LC50	96	Fish	i	0.047mg/L	4
2-octyl-4-isothiazolin-3-one	EC50	48	Crustacea	Crustacea 0.1		4
	EC50	96	Algae or other aquatic plants	i	0.146mg/L	3
	BCF	1608	Fish	!	0.05mg/L	4
	NOEC	48	Crustacea	1	<=0.08mg/L	4
	ENDPOINT	TEST DURATION (HR)	SPECIES		VALUE	SOURCE
isothiazolinones, mixed	Not Applicable	Not Applicable	Not Applicable		Not Applicable	Not Applicable
	ENDPOINT	TEST DURATION (HR)	SPECIES	I	VALUE	SOURCE
	LC50	96	Fish		0.068mg/L	2
ammonia anhydrous liquefied	EC50	48	Crustacea		0.179mg/L	5
iiqueilea	EC50	96	Algae or other aquatic plants		311.661mg/L	3
	NOEC	Not Applicable	Fish		0.0015mg/L	5

(QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Chemwatch: 81-6536 Page 7 of 8 Issue Date: 15/06/2017 Version No: 2.1.1.1 Print Date: 16/06/2017

#### **ABA Ready-Mixed Wall Tile Adhesive**

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
tetramethylol acetylene diuriene	LOW	LOW
2-octyl-4-isothiazolin-3-one	HIGH	HIGH
ammonia anhydrous liquefied	LOW	LOW

#### Bioaccumulative potential

Ingredient	Bioaccumulation
tetramethylol acetylene diuriene	LOW (LogKOW = -7.8925)
2-octyl-4-isothiazolin-3-one	LOW (LogKOW = 2.561)
ammonia anhydrous liquefied	LOW (LogKOW = 0.229)

#### Mobility in soil

Ingredient	Mobility
tetramethylol acetylene diuriene	LOW (KOC = 10)
2-octyl-4-isothiazolin-3-one	LOW (KOC = 2120)
ammonia anhydrous liquefied	LOW (KOC = 14.3)

#### **SECTION 13 DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

- ► Containers may still present a chemical hazard/ danger when empty.
- ▶ Return to supplier for reuse/ recycling if possible.

#### Otherwise:

Product / Packaging disposal

- Fig ontainer can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.
- ▶ Where possible retain label warnings and SDS and observe all notices pertaining to the product.
- Recycle wherever possible or consult manufacturer for recycling options
- Consult State Land Waste Management Authority for disposal.
- Bury residue in an authorised landfill.
- ▶ Recycle containers if possible, or dispose of in an authorised landfill.

#### **SECTION 14 TRANSPORT INFORMATION**

#### Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (ADG): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

#### **SECTION 15 REGULATORY INFORMATION**

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

TETRAMETHYLOL ACETYLENE DIURIENE(5395-50-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

2-OCTYL-4-ISOTHIAZOLIN-3-ONE(26530-20-1) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists Australia Inventory of Chemical Substances (AICS)

ISOTHIAZOLINONES, MIXED(55965-84-9) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

# AMMONIA ANHYDROUS LIQUEFIED(7664-41-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards Australia Inventory of Chemical Substances (AICS)

Australia Hazardous Substances Information System - Consolidated Lists International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List

Passenger and Cargo Aircraft

National Inventory	Status
Australia - AICS	N (isothiazolinones, mixed)

Chemwatch: 81-6536 Page 8 of 8 Issue Date: 15/06/2017 Version No: 2.1.1.1 Print Date: 16/06/2017

# **ABA Ready-Mixed Wall Tile Adhesive**

Canada - DSL	Y
Canada - NDSL	N (2-octyl-4-isothiazolin-3-one; isothiazolinones, mixed; tetramethylol acetylene diuriene; ammonia anhydrous liquefied)
China - IECSC	Υ
Europe - EINEC / ELINCS / NLP	N (isothiazolinones, mixed)
Japan - ENCS	N (ammonia anhydrous liquefied)
Korea - KECI	Y
New Zealand - NZIoC	Υ
Philippines - PICCS	Y
USA - TSCA	N (isothiazolinones, mixed)
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)

#### **SECTION 16 OTHER INFORMATION**

#### Other information

#### Ingredients with multiple cas numbers

Name	CAS No
tetramethylol acetylene diuriene	5395-50-6, 100091-50-7, 53272-25-6
isothiazolinones, mixed	55965-84-9, 96118-96-6

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### **Definitions and abbreviations**

PC-TWA: Permissible Concentration-Time Weighted Average

PC-STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH.

TEL (+61 3) 9572 4700.