



SAFETY DATA SHEET

AGG-CRETE VERTICAL

Issued: November 2018

Non-Hazardous according to criteria of Safe Work Australia

1 PRODUCT & COMPANY UNDERTAKING IDENTIFICATION

Product Name: **AGG-CRETE VERTICAL**
Major Recommended Use: Concrete set retarder surface treatment for exposed aggregate effect.
Company: I-Chem Pty Ltd
ABN: 71 150 650 785
Address: 10 Yale Drive, Epping, Victoria, 3076
Telephone Number: +61 (03) 9401 3519
Email: info@ichem.com.au

2 HAZARDS IDENTIFICATION

GHS Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

Signal word: Not applicable

Hazard statements: None applicable

Precautionary statements:

Prevention P234 Keep only in original container.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+353 IF ON SKIN (or hair): Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage P403+233 Store in a well-ventilated place. Keep container tightly closed.

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

Hazard Codes: Not applicable

Risk Statements: None applicable

Safety Statements: S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS, container or label.

Poisons Schedule: Not scheduled

ADG CLASS: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Not regulated for transport of Dangerous Goods: UN, IATA, IMDG

Signs and Symptoms of Exposure (Acute effects):

Swallowed: Non-toxic and non-irritant under normal use and handling conditions.

Eye: No irritation is expected.

Inhaled: Exposure to vapours at room temperature is an unlikely route of exposure due to its low vapour pressure. Spray mist is unlikely to cause respiratory irritation.

Chronic: Prolonged or repeated skin contact is unlikely to result in irritation, dermatitis, or sensitization.

Emergency Overview: Clear pink, odourless liquid. Based on our experience and the information available for individual components, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion	Classification
Water	7732-18-5	> 60%	Not hazardous
Non-hazardous ingredients below reportable concentrations		10-30%	

Description: Mixture of non-hazardous (according to Safe Work Australia) ingredients make up 100% of this product.

4 FIRST AID MEASURES

First Aid Facilities:	Eyewash fountains and safety showers should be available for emergency use.
Swallowed:	Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Seek medical attention if symptoms develop.
Eye:	Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Seek medical attention if irritation develops.
Skin:	Remove any contaminated clothing and product. Wash skin thoroughly with mild soap and water. Seek medical advice if ill effect or irritation develops.
Inhaled:	Not considered applicable, however, if any effects are perceived, move patient to fresh air
Advice to Doctor:	Treat symptomatically. Consult Poisons Information Centre.

5 FIRE FIGHTING MEASURES

NON-FLAMMABLE, NON-COMBUSTIBLE substance

Suitable Extinguishing Media:	Presents no known fire or explosive hazards and forms no known hazardous decomposition products. Treat fire for materials actually involved in the fire.
Special Exposure Hazards (fire fighting):	May generate toxic, irritating or flammable combustion products. Sudden reaction with fire may result if product is mixed with an oxidising agent. May generate carbon monoxide gas. Personnel in vicinity and downwind should be evacuated.
Special Fire Fighting Procedures:	Fire fighters should wear butyl rubber boots, gloves, and body suit and a self-contained breathing apparatus. Water spray should be used to cool intact drums. Prevent run-off from fire control entering waterways.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear protective clothing, boots, gloves, and eye protection. (refer Section 8.2)
Methods for Cleaning Up:	If recovery is not feasible, admix with dry soil, sand or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Flush area with water spray. Clean up personnel must be equipped with self-contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with vacuum truck.
Reference to other sections	See Also Section 8.

7 HANDLING & STORAGE

Precautions for safe handling	No special measures necessary provided product is used correctly. Avoid contact with eyes, skin and clothing. Avoid generation of mist. Provide adequate ventilation. Emergency shower and eye wash facilities should be readily available. See also Section 8
Conditions for safe storage, including incompatibilities	Keep only in the original container in a cool, dry, well ventilated place. Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE) Avoid contact with strong acids, strong bases, strong oxidizing agents, strong reducing agents See also Section 10.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

SUBSTANCE	Occupational Exposure Limits
All components	No Occupational Exposure Limits assigned.

Exposure controls	Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place.
Appropriate engineering Controls	Conventional airflow is generally considered to be acceptable. Engineering methods to prevent or control exposure include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.
Personal Protection	
Respiratory protection	Respiratory protection not normally required. If engineering controls are not effective in controlling airborne exposure, then an approved respirator or dust mask should be used. Refer Australian Standards AS/NZS 1715 and 1716 for more information.
Eye/face protection	Safety glasses with top and side shields, goggles or face shield. Refer Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin protection	No special protective work wear is required.
Environmental Exposure Controls	All components are moderately/completely biodegradable. There is a high probability that the product is not acutely harmful to aquatic organisms.

9 PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Translucent pink gel
Smell:	No characteristic odour
pH:	6.5 – 7.5
Boiling Point (@760mm Hg):	Not known (> 100°C)
Melting Point:	Not known (< 0°C)
Flashpoint (°C):	Non Flammable
Flammability:	Non Flammable
Ignition Temperature:	Non Flammable
Explosive Properties:	No data
Explosive Limits:	No data
Oxidizing Properties:	No data
Vapour Pressure (mm Hg):	No data
Vapour Density:	No data
Solubility in Water:	Infinite
Solubility in Ethanol:	No data
Solubility in n-Octanol:	No data
Partition Coefficient n-Octanol/Water	No data
Specific Gravity:	1.04 – 1.06
Per cent Volatiles:	>88%
Volatile Organic Compounds:	Nil

10 STABILITY & REACTIVITY

Conditions to Avoid:	No data.
Incompatibility (materials to avoid):	Oxidizing agents, Sodium or Calcium Hypochlorite. Reaction with peroxides may result in violent decomposition.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide in a fire. Irritating and toxic fumes at elevated temperatures.
Hazardous Transformation Products:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute toxicity	
Acute Oral Toxicity	Based on available data, the classification of toxicity criteria are not met.
Acute Inhalation Toxicity	Based on available data, the classification of toxicity criteria are not met.
Acute Dermal Toxicity	Based on available data, the classification of toxicity criteria are not met.
Sensitization	Based on available data, not sensitizing.
Mutagenicity	Based on available data, no evidence of genotoxicity.
Carcinogenicity	No structural alerts. IARC, NTP, OSHA, ACGIH do not list this product as known or suspected carcinogen.
Reproductive toxicity	Based on available data, no evidence of reproductive toxicity or developmental toxicity.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	Not classified.
Other information	None

12 ECOLOGICAL INFORMATION

Ecotoxicity:	No data available. There is a high probability that the product is not acutely harmful to aquatic organisms.
Environmental Fate:	No data available.
Persistence and degradability	The product has not been tested. Based on the properties of the individual components product is expected to be moderately to completely biodegradable.
Bioaccumulation potential	No data available. Discharge into the environment must be avoided.
Additional information	Other ecotoxicological advice: Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13 DISPOSAL CONSIDERATIONS

Precautions:	Refer to Section 7 before handling the product or containers.
Waste disposal:	Recover or recycle if possible. Otherwise: dispose of this material and its container to hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.
Product disposal:	Recover or recycle if possible. Otherwise: dispose of this material and its container to hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.
Container disposal:	Drain and wash container thoroughly. Container (HDPE) may be recycled.

14 TRANSPORT INFORMATION

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".

Mode	Regulations	Class	Packing Group	Notes
-	UN	None allocated	Not applicable	
Sea	IMDG	None allocated	Not applicable	This material is not classified as dangerous under IMDG regulations
Road/Rail	ADG Code	None allocated	Not applicable	This material is not classified as dangerous according to the Australian Dangerous Goods Code
Air	IATA/ICAO	None allocated	Not applicable	This material is not classified as dangerous under IATA regulations

15 REGULATORY INFORMATION

GHS Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS**Full text of GHS Statements referred to under sections 2 and 3.****Hazard statements:** None applicable**Precautionary statements:**

Prevention	P234	Keep only in original container.
	P262	Do not get in eyes, on skin, or on clothing.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response	P301+330+331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
	P303+353	IF ON SKIN (or hair): Rinse skin with water/shower.
	P363	Wash contaminated clothing before reuse.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	P403+233	Store in a well-ventilated place. Keep container tightly closed.
Disposal	P501	Dispose of contents/ container to an approved waste disposal plant.

EEC Council Directives relating to the classification, packaging and labelling of dangerous substances and preparations Risk (R) and Safety (S) phrases:**Risk Statements:** None applicable

Safety Statements:	S24/25	Avoid contact with skin and eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this SDS, container or label.

16 OTHER INFORMATION

Uses and restrictions: Chemical mixture for use in the concrete industry.**SDS distribution:** The information in this document should be made available to all who may handle the product.**Reference:** The content and format of this safety data sheet is in accordance with the 3rd Revised Edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia's Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (2011)**Issue Date:** 22nd November, 2018**Reason for Issue:** New product

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