

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

1 Identification

Product Name: RAPID SET® FLOW CONTROL

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Designed for use with Rapid Set® cement products, Flow Control® performs two functions. First, adding Flow to your mix will significantly increase the fluidity of the mixture. A stiff mix becomes soupier when using Flow. Second, Flow increases the strength and reduces the shrinkage of your mixture when you use the Flow as a replacement for mixing water. When using Flow, the same working consistency (or slump) may be produced with approximately 20% to 40% less mixing water.

Details of Manufacturer or Importer:

Volumetric Concrete Australia Pty Ltd
19-21 Cann Street
Guildford NSW 2161

Phone Number: 02 9632 1900

Emergency telephone number: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



health hazard

Carcinogenicity 1B

H350 May cause cancer.



Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Signal Word Danger

Hazard Statements

H319 Causes serious eye irritation.

H350 May cause cancer.

Precautionary Statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

Product Name: RAPID SET® FLOW CONTROL

(Contd. of page 1)

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

7757-82-6	Sulfuric acid, disodium salt ⚠ Serious Eye Damage/Irritation 2A, H319	60 - 100%
50-00-0	Formaldehyde ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ Carcinogenicity 1B, H350; ⚠ Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Skin Sensitisation 1, H317	0.2%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation and inflammation, including irritation to the nose, throat and lungs.

Skin Contact: Causes skin irritation, leading to skin blistering, dryness, redness and rash.

Eye Contact: Causes serious eye irritation. May cause eye damage.

Ingestion: May cause gastrointestinal irritation or burns to mucous membranes.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Water spray or fog, foam, dry chemical or carbon dioxide. Do not use full water jet.

Specific Hazards Arising from the Chemical:

Product is not flammable or combustible.

Product close to fire should be removed if safe to do so.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

Product Name: RAPID SET® FLOW CONTROL

(Contd. of page 2)

Methods and Materials for Containment and Cleaning Up:

Clean the area using an industrial vacuum cleaner. Wet mopping and wiping is acceptable if vacuuming is not workable. Avoid generating dust. Place into containers for reuse or disposal. Decontaminate the spill area with plenty of water.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original packaging, tightly closed when not in use. Keep away from strong oxidising agents, acids and bases.

8 Exposure Controls and Personal Protection

Exposure Standards:**50-00-0 Formaldehyde**

WES	STEL: 2.5 mg/m ³ , 2 ppm TWA: 1.2 mg/m ³ , 1 ppm Sen
-----	--

Engineering Controls:

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Impervious gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Crystalline powder
Colour:	No information available
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

Product Name: RAPID SET® FLOW CONTROL

(Contd. of page 3)

Melting point/freezing point:	Not applicable
Initial Boiling Point/Boiling Range:	850 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not applicable
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	Not applicable
Solubility in Water:	650 g/l
Partition Coefficient (n-octanol/water):	Not applicable
Viscosity:	Not applicable

10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials: Strong oxidising agents, acids and bases.

Hazardous Decomposition Products: No hazardous decomposition products known.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
7757-82-6 Sulfuric acid, disodium salt		
Oral	LD ₅₀	5989 mg/kg (mouse)
50-00-0 Formaldehyde		
Oral	LD ₅₀	>200 mg/kg (rat)

Acute Health Effects

Inhalation: May cause respiratory irritation and inflammation, including irritation to the nose, throat and lungs.

Skin: Causes skin irritation, leading to skin blistering, dryness, redness and rash.

Eye: Causes serious eye irritation. May cause eye damage.

Ingestion: May cause gastrointestinal irritation or burns to mucous membranes.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Sensitisation possible through skin contact.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

May cause cancer.

Formaldehyde is classified by IARC as Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

Product Name: RAPID SET® FLOW CONTROL

(Contd. of page 4)

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity: No further relevant information available.**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances:

7757-82-6	Sulfuric acid, disodium salt
50-00-0	Formaldehyde

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not Scheduled.

16 Other Information

Date of Preparation or Last Revision: 14.08.2017**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

Product Name: RAPID SET® FLOW CONTROL

(Contd. of page 5)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 1B: Carcinogenicity – Category 1B

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Volumetric Concrete Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.