

Safety Data Sheet

according to WHS Regulations

Printing date 14.08.2017

Revision: 14.08.2017

1 Identification

Product Name: RAPID SET® WUNDERFIXX®

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

A durable, fast setting, one component concrete patching material formulated with a premium grade hydraulic cement, high performance polymers, and a finely ground aggregate. Use for patching and detailing on tilt-up panels, pre-cast concrete, concrete block, and other concrete surfaces. It is suitable for moist environments on interior and exterior projects.

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)



corrosion

Skin Corrosion/Irritation 1A H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Skin Sensitisation 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

1305-78-8	Calcium oxide ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Skin Corrosion/Irritation 2, H315; STOT SE 3, H335	50.87%
7631-86-9	Silica	15.40%
1344-28-1	Aluminium oxide (Al ₂ O ₃)	13.74%
7446-11-9	Sulphur trioxide ⚠ Skin Corrosion/Irritation 1A, H314; ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ STOT SE 3, H335	12.52%
65997-15-1	Cement, portland, chemicals ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Skin Corrosion/Irritation 2, H315; Skin Sensitisation 1, H317; STOT SE 3, H335	2.84%
1345-25-1	Iron oxide	2.38%
1309-48-4	Magnesium oxide	1.26%
1313-59-3	Sodium oxide ⚠ Skin Corrosion/Irritation 1B, H314	0.56%

Additional information:

Note: This product may contain trace amounts of hexavalent chromium, which is a known human carcinogen.

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 severe skin burns and irritation leading to skin dryness, redness and rash. May cause an allergic skin reaction.

When mixed with water the material becomes strongly basic and may cause skin burns or blistering.

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Eye Contact: Causes serious eye damage and irritation. May cause inflammation of the cornea.

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.

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.

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.

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. Contaminated work clothing must not be allowed out of the workplace. 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 container tightly closed when not in use. Protect from excessive moisture. Keep away from strong oxidising agents, acids, ammonium and salts.

8 Exposure Controls and Personal Protection

Exposure Standards:

1305-78-8 Calcium oxide

WES TWA: 2 mg/m³

7631-86-9 Silica

WES TWA: 2 mg/m³

1344-28-1 Aluminium oxide (Al₂O₃)

WES TWA: 10 mg/m³

65997-15-1 Cement, portland, chemicals

WES TWA: 10 mg/m³

1345-25-1 Iron oxide

WES TWA: 1 mg/m³
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1309-48-4 Magnesium oxideWES | TWA: 10 mg/m³**Engineering Controls:** Ensure adequate ventilation of the working area.**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:	Powder
Colour:	Grey or white
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/freezing point:	Not applicable
Initial Boiling Point/Boiling Range:	Not applicable
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:	3.1
Vapour Density:	Not applicable
Evaporation Rate:	Not applicable
Solubility in Water:	Slight
Partition Coefficient (n-octanol/water):	Not applicable
Viscosity:	Not applicable

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
When mixed with water the material becomes strongly basic.

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

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Conditions to Avoid: Excessive moisture.**Incompatible Materials:** Strong oxidising agents, acids, ammonium and salts.**Hazardous Decomposition Products:** No further relevant information available.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****7631-86-9 Silica**

Oral	LD ₅₀	10000 mg/kg (rat)
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7446-11-9 Sulphur trioxide

Oral	LD ₅₀	2140 mg/kg (rat)
Inhalation	LD ₅₀	320 mg/kg (mouse) 510 mg/kg (rat)

Acute Health Effects**Inhalation:** May cause respiratory irritation and inflammation, including irritation to the nose, throat and lungs.**Skin:**

Causes severe skin burns and irritation leading to skin dryness, redness and rash. May cause an allergic skin reaction.

When mixed with water the material becomes strongly basic and may cause skin burns or blistering.

Eye: Causes serious eye damage and irritation. May cause inflammation of the cornea.**Ingestion:** May cause gastrointestinal irritation or burns to mucous membranes.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:**

Sensitisation possible through skin contact.

May cause an allergic skin reaction.

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

Silica, amorphous is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**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:

When mixed with water the material becomes strongly basic. Environmental contamination may cause serious damage.

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Aquatic toxicity:**1305-78-8 Calcium oxide**LC₅₀/96 h | 1070 mg/l (carp)**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:**

1305-78-8	Calcium oxide
7631-86-9	Silica
1344-28-1	Aluminium oxide (Al ₂ O ₃)
7446-11-9	Sulphur trioxide
65997-15-1	Cement, portland, chemicals
1345-25-1	Iron oxide
1309-48-4	Magnesium oxide
1313-59-3	Sodium oxide

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

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)

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

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

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Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Skin Sensitisation 1: Skin sensitisation, Hazard Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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”

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