

Safety Data Sheet

Hazardous, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: E3 Deep Pour Aggregate

Recommended use: Aggregate for reactive polymer construction products. Designed for use with appropriate hardener and resin.

Supplier: Tremco CPG Australia Pty Ltd

ABN: 25 000 024 064

Street Address: 12/4 Southridge Street
Eastern Creek NSW 2766

Telephone: 02 9638 2755

Facsimile: 02 9638 2955

Emergency Telephone number: 02 9037 2994 (Aus) +1 703-741-5500 (Worldwide)

2. HAZARDS IDENTIFICATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.



Signal Word

Danger

Hazard Classifications

Carcinogenicity - Category 1A

Specific Target Organ Toxicity (Repeated Exposure) - Category 1

Hazard Statements

H350 May cause cancer .

H372 Causes damage to organs through prolonged or repeated exposure.

Prevention Precautionary Statements

P201 Obtain special instructions before use.

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

P260 Do not breathe dust, fume, gas, mist, vapours or spray.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

Response Precautionary Statements

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

P314 Get medical advice/attention if you feel unwell.

Storage Precautionary Statement

P405 Store locked up.

Disposal Precautionary Statement

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

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Poison Schedule:

DANGEROUS GOOD CLASSIFICATION

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".

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Quartz (SiO ₂)	14808-60-7	65-90 %
Ingredients determined to be Non-Hazardous		Balance
		100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

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, hold eyelids open and rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms persist.

Ingestion: If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

PPE for First Aiders: Wear gloves, face shield, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. Symptoms Caused by Exposure: Inhalation: May cause respiratory irritation. May be irritating to mucous membranes. Skin Contact: May cause skin irritation or an allergic skin reaction. Eye Contact: May cause eye irritation or damage. Ingestion: May be harmful if swallowed.

5. FIRE FIGHTING MEASURES

Hazchem Code: Not applicable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Combustible material.

Fire fighting further advice: On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of

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combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Methods and Materials for Containment and Cleaning Up: Stop leak if safe to do so and cover with a tarp or plastic sheet to prevent spreading. Sweep and shovel into drums for subsequent disposal. Consider vacuuming. Avoid generating dust. Provide adequate ventilation.

LARGE SPILLS

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

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

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.

Storage: Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from strong acids and water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Quartz (respirable dust)	-	0.05	-	-	Carc. 1A
Silica Crystalline - Quartz (respirable dust)	-	0.05	-	-	Carc. 1A

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure

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Standards. Use only in well ventilated areas.

Personal Protection Equipment: GLOVES, FACE SHIELD, RESPIRATOR.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear gloves, face shield, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

RECOMMENDATIONS FOR CONSUMER USE:

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. 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.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of . Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour:	Grey, tan or pink
Odour:	Odourless
Solubility:	Negligible
Specific Gravity:	Not specified
Density:	2.5 - 2.8 g/cm ³
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure:	Not applicable
Flash Point (°C):	Not applicable
Flammability Limits (%):	Product is not flammable
Autoignition Temperature (°C):	Not applicable
Melting Point/Range (°C):	>1093 °C
Boiling Point/Range (°C):	Not applicable
pH:	12 (1:1 W/O water)
Viscosity:	Not applicable
Partition Coefficient:	Not determined
Total VOC (g/Litre):	Not applicable

(Typical values only - consult specification sheet)
N Av = Not available, N App = Not applicable

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10. STABILITY AND REACTIVITY

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

Conditions to avoid: No further relevant information available.

Incompatible materials: Water and strong acids. Product may harden on contact with water.

Hazardous decomposition products: No hazardous decomposition products known.

Hazardous reactions: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: May cause respiratory irritation. May be irritating to mucous membranes.

Skin contact: May cause skin irritation or an allergic skin reaction.

Ingestion: May be harmful if swallowed. 5.3.1.25 Specific Target Organ Toxicity (STOT) - Repeated Exposure: Causes damage to organs through prolonged or repeated exposure.

Eye contact: May cause eye irritation or damage.

Acute toxicity

Inhalation:

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD₅₀ > 2,000 mg/Kg bw

CAS: 14808-60-7 Quartz (SiO₂) LD₅₀ (Rat): 500 mg/kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as not an aspiration hazard.

Specific target organ toxicity (single exposure): This material has been classified as not a specific hazard to target organs by a single exposure.

Chronic Toxicity

Mutagenicity: This material has been classified as not a mutagen.

Carcinogenicity: This material has been classified as a Category 1A Hazard.

Reproductive toxicity (including via lactation): This material has been classified as not a reproductive toxicant.

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Specific target organ toxicity (repeat exposure): This material has been classified as a Category 1 Hazard. Exposure via * (oral, dermal or inhalation) may result in *.Chronic Health Effects:The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica causes silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: No adverse ecological effects are expected. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Long-term aquatic hazard: Other adverse effects:Information available for similar products indicates that this product is poisonous to fish and plankton and is toxic to aquatic organisms until the pH is neutralised.

Ecotoxicity: No information available.

Persistence and degradability: No data available on finished product.

Bioaccumulative potential: Bioaccumulation is not expected to occur.

Mobility: No data available on finished product.

13. DISPOSAL CONSIDERATIONS

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

ROAD AND RAIL TRANSPORT

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".

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

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The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): .

16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.