



**SAFETY DATA SHEET
QUICSEAL 192
CRYSTALITE**

1. IDENTIFICATION OF THE SUBSTANCE/COMPOUND AND THE SUPPLIER

Product Name: QUICSEAL 192 Crystalite
Product Use: Polyurethane Integral Waterproofing Admixture by Crystallization

Details of the supplier:

*QUICSEAL CONSTRUCTION CHEMICALS PTE LTD
No. 7 Eunos Avenue 8A
Eunos Industrial Estate
Singapore 409460*

Emergency Contact No.: (65) 6742 4466

2. HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity – Category 4
Eye irritation – Category 2

GHS LABEL ELEMENTS

Symbol(s):



Signal Word

Warning

Hazard Statements:

H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H320: Causes eye irritation.
H332: Harmful if inhaled.

Precautionary Statements:

Prevention

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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Response

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of water.

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.

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

P362+P364: Take off contaminated clothing and wash it before use.

Disposal

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

NAME	CAS	PROPORTION
Portland Cement	65997-15-1	10 – 40 %
Alkaline Earth Compound	1317-65-3	10 – 50 %
Silica Sand (Graded)	14808-60-7	< 25 %
Microsilica	69012-64-2	0 – 5 %

4. FIRST-AID MEASURES**Eye contact**

Quickly remove any dry powder with a brush Irrigate with large amounts of water for at least 15-20 minutes. Seek immediate medical attention.

Skin Contact

Continuously flush with water for at least 15-20 minutes. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek immediate medical attention.

Inhalation

Remove person to fresh air and seek immediate medical attention.

Oral ingestion

Wash out mouth with water and drink one cup (240-300ml) of water followed by diluted milk if available. Do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES**Extinguishing Media**

Not applicable - Product is non-combustible.

Specific Hazards

In contact with extinguishing water, an alkaline solution is produced which can cause irritation.

Precautions for Fire

Fire fighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

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6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent spillage from entering sewer drains.

Methods and materials for containment and clean up

Use dry clean up procedures and avoid generating dust.

Increase ventilation and wear full protective clothing and sufficient respiratory protection.

Vacuum device or shovel suitable for clean-up.

Place waste material in plastic or metal drums with tightly sealed lids for disposal.

7. HANDLING AND STORAGE

Handling

Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs.

Use in well ventilated area and avoid contact with incompatible materials.

Storage

Product should be stored in dry, moderate environment, and protected from water or cold damage.

Store away from foodstuff containers. Keep in sealed containers until product is required.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure standards: TWA 10 mg/m³ Portland Cement Total Dust

TLV – TWA 5 mg/m³ Alkaline Earth Compound

TLV – TWA 0.1mg/m³ (respirable)

Recommendation

Keep exposure to dust as low as practicable, respirable crystalline silica should be kept below 0.1mg/m³ TWA.

Other information Cement products may contain crystalline silica as an impurity. Authority has yet to classify crystalline silica as a human carcinogen. Repeated exposed to crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill health have occurred. Exposure to respirable crystalline silica dust contained in the product must be prevented to avoid risk of lung disease.

Engineering Controls

Use in well ventilated areas. Maintain air concentrations below exposure standards.

Personal Protective

It is recommended that the user wear rubber gloves, a class P1 or P2 particulate respirator or equivalent dust mask, fitted correctly, tight fitting safety goggles, and impervious full length clothing that protects the skin from contact. Additional safety precautions may include, eyewash station, shower facility, and ventilation sufficient in volume and distribution to maintain dust exposure below the 10 mg/m³ level.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Grey colour
Odour	Odourless
PH Value	10-13
Specific Gravity	2.5 –3.0
Boiling/melting point	>1200°C
Vapour pressure	Not applicable
Vapour density	Not applicable
Solubility	2.0g/L
VOC Content	None
Flash Point	Not applicable
Flammability	Not applicable
Other properties	Non explosive

10. STABILITY AND REACTIVITY**Chemical Stability**

Products are chemically stable.

Conditions to Avoid

Avoid exposure without appropriate protective work clothing and dust masks.
Protect from water and cold damage.

Incompatible Materials

Products are incompatible with strong acids.

Hazardous Decomposition

Under normal storage and use conditions neither hazardous decomposition nor polymerization should occur.

Hazardous Reactions

When mixed with water, products produce an alkaline solution which can cause skin irritation.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Alkaline Earth Metals	LD50 Oral	Rat	7340 mg/kg	-

Carcinogenicity

Not Available

12. ECOLOGICAL INFORMATION

Environmental Effects	No known significant effects
Ecotoxicity	Not Available
Degradability	Not Available
Bioaccumulation	Not Available
Mobility	Not Available

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13. DISPOSAL CONSIDERATIONS**Disposal Procedures**

Can be disposed of as common waste. Disposal should be in accordance with local, state and federal regulations.

Special precautions for Landfill and Incineration

Not required

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by Road and Rail.

UN Number	Non allocated
UN Proper shipping name	Non allocated
Class and subsidiary risk	Not applicable
Packing Group	Not applicable
Special precautions for user	No restrictions known for transport procedures.
Hazchem Code	None allocated

15. REGULATORY INFORMATION

Poisons schedule	None allocated
Hazard Category	Irritant

16. OTHER INFORMATION

The information and data contained herein are believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since QUICSEAL Construction Chemicals Pte. Ltd cannot know all of the uses to which its products may be put or the conditions of use; it makes no warranties concerning the fitness or suitability of its products for a particular use of purpose.

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