

StreetBond50™ SDS - hardener

Product Name: StreetBond 50 Hardener
Product Code: SBRH-HD

1. Identification of the Manufacturer and Supplier

Manufacturer's Name: GAF Construction Products, LLC
Address: 1465 Pipefitter Street
North Charleston, SC 29405
INITIAL (FIRST CALL): CHEMTREC (800) 424 9300
INFORMATION PHONE: (480) 754 8900
24 HOUR EMERGENCY: (800) 541 4380
Date Revised: June 2022

Supplier's Name: MPS Paving Systems Australia Pty Ltd.
Address: 79-81 Intrepid Street
Berwick, VIC 3806
Phone: + 61 3 9707 0077
Email: info@mpspaving.com.au

2. Hazardous Ingredients Information

Reportable Components	CAS Number	MM HG @ Temp	Weight %
# SILICA, CRYSTALLINE	14808-60-7	n/a	50.6

OSHA PEL: EXPOSURE TO AIRBORNE CRYSTALLINE SILICA SHALL NOT EXCEED AN 8 HOUR TIME WEIGHTED AVERAGE LIMIT AS STATED IN 29CFR 1910.1000, TABLE Z-1-A AIR CONTAMINANTS, SPECIFICALLY; SILICA, CRYSTALLINE QUARTZ (RESPIRABLE) 0.1 MG/M3. ACGIH TLV-TWA: 0.1 MG/M3. NIOSH MAXIMUM PERMISSABLE CONC. 0.05 MG/M3, 10 HR. WORKDAY, 40 HR. WK.

# AMORPHOUS CALCIUM SILICATE	MIXTURE	n/a	39.6
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Particulate CAS#Various,OSHA/PEL/UNK,ACGIH/TLV2mg/m3 Calcium Oxide,CAS#Various,5mg/m3,ACGIH/TLV2mg/m3 Aluminium Oxide,CAS# Various,(respirable Fraction),OSHA/PEL 5mg/m3,ACGIH/TLV UNK,(Total Dust),OSHA/PEL 15mg/m3,ACGIH/TLV10mg/m3 Crystalline Silica,CAS# 14808-60-7,(respirable Fraction),OSHA/PEL 10mg/m3, ACGIH/TLVUNK,(Total Dust),OSHA/PEL 30mg/m3,ACGIH/TLV.05mg/m3 Magnesium Oxide ,CAS# Various,OSHA/PEL 15mg/m3,ACGIH/TLV10mg/m3 Iron Oxide,CAS# Various,OSHA/PEL 10mg/m3 ,ACGIH/TLV5mg/(Fe)/m3 Titanium Oxide,CAS# Various,OSHA/ PEL 15mg/m3,ACGIH/TLV10mg/m3 Maganese Oxide,CAS# Various,OSHA/PEL UNK,ACGIH/TLV5mg.m3 Nuisance Dust,CAS# Various,(respirable Fraction),OSHA/ PEL 5mg/m3, ACGIH/TLV3mg/m3(Total Inhalable),OSHA/PEL 15mg/m3,ACGIH/TLV10mg/m *these values are for particulate matter w/no asbestos &<1% Silica

HYDRAULIC CEMENT (CALCIUM SILICATE SALTS)	n/a	10
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TWA: OSHA-TOTAL DUST, 15MG/M3, 5MG/M3 RESPIRABLE. NIOSH-TOTAL DUST, 10MG/M3, 5MG/M3 RESPIRABLE. ACGIH-TOTAL DUST, 10MG/M3.

*** No toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

Indicates carcinogenic chemical

WHEN COMBINED WITH THE BASE, THE HAZARDOUS PROPERTIES OF BOTH COMPONENTS MAY BE EXHIBITED.

THIS MSDS MAY BE USED FOR OTHER SIZES OF THIS PRODUCT.

3. Hazards Identification

Potential Health Effects

Eyes: May cause slight/moderate irritation with corneal injury which may result in permanent impairment of vision, even blindness.

Skin: Causes sever irritation with pain, redness and swelling, blister formation, and possible tissue destruction.

Ingestion: Irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.



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3. Hazards Identification (continued...)

Inhalation: Irritation of the nose, throat and respiratory tract. Respiratory symptoms associated with pre-existing lung conditions, such as asthma, may be aggravated.

4. First Aid Measures

Eyes: Immediately flush eyes with clean, lukewarm water for 15 minutes while lifting eyelids. Refer to physician or Ophthalmologist for immediate follow-up.

Skin: Remove contaminated clothing immediately. Wash affected areas with soap and water. After washing, apply lotion or ointment to affected skin. Wash clothing before reuse. For severe exposures, get under safety shower and get medical attention if irritation or allergic dermatitis symptoms develops. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician immediately.

Inhalation: Remove from source of exposure and into fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

Note to Physician: Swallowing of this corrosive material may result in severe ulceration, inflammation, and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this material during induced emesis can result in severe lung injury. If evacuation of the stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a poison control center for additional treatment information.

5. Fire Fighting Measures

Flammable Properties

Flash Point: >96°C SETA FLASH CLOSED CUP.

Lower Flammable Limits: n/a

Upper Flammable Limit: n/a

Auto Ignition Temperature: Not Available

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Do not enter any enclosed or confined space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

6. Accidental Release Measures

Small Spill: Stop spill at source. Pick up with mop and shovel. Rinse with water.

Large Spill: Use same procedure as small spill.

7. Handling and Storage

Handling and Storage: Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

Other Precautions: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapour, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.



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8. Exposure Controls/Personal Protection

- Engineering Controls:** Local exhaust ventilation recommended if generating vapour, dust or mist. Turn off heating and/or air conditioning equipment to prevent contaminating building.
In outside spray applications, provide airflow in a downwind direction so as to carry fumes and residual spray away from workers.
If exhaust ventilation is not adequate, use MSHA or NIOSH approved respirator. Refer to OSHA standard 29 CFR 1910.94 for guidelines.
- Respiratory Protection:** Wear a NIOSH approved respirator appropriate for the particulate concentration at the point of use. Appropriate respirators may be a full-face piece or a half mask air-purifying cartridge respirator equipped for organic vapours/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.
- Skin Protection:** The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation. Note that PVA degrades in water.
- Eye Protection:** Chemical goggles, unless a full face piece respirator is used. Do not wear contact lenses as they may contribute to the severity of injury to the eye. Eye protection worn must be compatible with respiratory protection system employed.

9. Physical and Chemical Properties

- Boiling Range:** n/a
Specific Gravity (H2O=1): 2.8596
Vapour Density (Air=1): Lighter than air
**Evaporation Rate:
(N-Butyl Acetate=1)** Slower than ether
Coating VOC: 0 g/l
Material VOC: 0 g/l
Solubility in Water: Soluble
Appearance: Gray, Granular Powder.
Odour: Slight

10. Stability and Reactivity Data

- Stability:** Stable
Conditions to Avoid: Moisture (will lead to product performance degradation)
Incompatible Materials: Avoid strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.
Hazardous Decomposition Products: Thermal decomposition or burning may produce carbon monoxide and carbon dioxide, sulphur oxides and unidentified organics in smoke.
Hazardous Polymerisation: Will not occur.

11. Toxicological Information

- Eye:** No animal data available
Skin: Crystalline Silica, CAS: 14808-60-7: Skin irritation - due to the high tendency to absorb moisture (and oils), many individuals experience excessively dry, chapped skin with prolonged or repeated exposure.
Portland Cement, CAS: 65997-15-1: Cement dermatitis does occur among exposed workers, however, as a consequence of the alkaline, abrasive, and hygroscopic properties of the wet cement, which cause irritation of the skin (Schwarz, Tulipan, and Birmingham 1957A/EX. 1-1168).



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11. Toxicological Information

Ingestion:	No animal data available
Inhalation:	Silica, Crystalline CAS#14808-60-7 respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death.
Subchronic:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)
Chronic/ Carcinogenicity:	Contains Crystalline Silica CAS#14808-60-7. Overexposure to respirable crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis, the international agency for research on cancer (IARC) has evaluated in volume 68, Monographs on the Evaluation of Carcinogenicity Risk of Chemicals to Humans, Crystalline Silica in the form of Quartz and Amorphous Silica (1997), that there is "sufficient evidence for the carcinogenicity of inhaled Crystalline Silica in the form of Quartz or Cristobalite from occupational exposures has been classified as a group 1 carcinogen by the IARC.
Teratology:	No animal data available
Reproduction:	No animal data available
Mutagenicity:	Collective data indicate non-mutanagenic.

12. Ecological Information

Ecotoxicological Information: No data chemical fate information:
No data.

13. Disposal Considerations

Instructions: Whatever cannot be saved for reuse should be transferred to an appropriate and approved waste disposal facility. Consult appropriate national, state and local regulatory agencies to ascertain proper disposal procedures.

14. Transport Information

Shipping Information:
DOT INFORMATION - 49 CFR 172.101
DOT DESCRIPTION: Not Regulated

