

Material Safety Data Sheet

FS-F-HARD

Non-Metallic Floor Hardener

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name	FS-F-HARD — Non-Metallic Floor Hardener
Product Code	FS-F-HARD
Sub-brand	FloorSafe™
Supplier	BGSB Construction Products Ltd
Address	Mlolongo, Kenya
Telephone	+254 739 806502
Email	info@jengapro.com
Website	www.jengapro.com
Revision Date	June 2026

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Skin irritation	Category 2 — H315: Causes skin irritation
Skin sensitisation	Category 1 — H317: May cause an allergic skin reaction (Chromium VI)
Eye damage	Category 1 — H318: Causes serious eye damage
Respiratory irritation	Category 3 — H335: May cause respiratory irritation

GHS LABEL ELEMENTS

- Signal Word: Warning
- GHS Pictogram 1 — GHS07 (Exclamation Mark): Irritant, respiratory irritant, skin sensitiser
- GHS Pictogram 2 — GHS05 (Corrosion): Serious eye damage

HAZARD STATEMENTS

- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction (contains Chromium VI)
- H318 — Causes serious eye damage
- H335 — May cause respiratory irritation

PRECAUTIONARY STATEMENTS

- P260 — Do not breathe dust
- P264 — Wash hands thoroughly after handling
- P270 — Do not eat, drink or smoke when using this product
- P272 — Contaminated work clothing should not be allowed out of the workplace
- P280 — Wear protective gloves, eye protection and face protection
- 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
- P333+P313 — If skin irritation or rash occurs: get medical advice/attention
- P501 — Dispose of contents/container in accordance with local regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content	GHS Classification
Portland Cement (OPC)	65997-15-1	> 25% – < 50%	H315, H317, H318, H335

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or are exempt. Refer to Section 8 for Occupational Exposure Limits.

4. FIRST AID MEASURES

INHALATION

Remove affected person from exposure to fresh air immediately. If symptoms persist or if feeling unwell, seek medical attention.

INGESTION

Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical attention immediately.

SKIN CONTACT

Wash affected area immediately with copious quantities of water. Remove contaminated clothing immediately. Seek medical advice if skin irritation or disorder develops.

EYE CONTACT

Irrigate immediately with copious quantities of clean water for a minimum of 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Seek urgent medical attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Not applicable — product is non-flammable.

SPECIAL EXPOSURE HAZARDS

None.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTING

None required.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear rubber boots in addition to the recommended personal protective equipment listed in Section 8. Avoid creating dust.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains, sewers and watercourses.

DECONTAMINATION / CLEAN-UP PROCEDURES

Avoid creating airborne dust during clean-up. Gather material into suitable sealed containers. Residues may be flushed to drain with large volumes of water. Obtain prior consent from the relevant local authority before discharging to sewer.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

Avoid creating or breathing dust. In areas of insufficient ventilation, wear suitable respiratory protective equipment. Avoid skin and eye contact. Observe personal hygiene at all times.

STORAGE PRECAUTIONS

Store in a cool, dry area in the original, unopened packaging, clear of the ground and away from direct sunlight. Keep away from strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Substance	Inhalable Dust (8hr TWA)	Respirable Dust (8hr TWA)	Reference
Portland Cement (OPC)	10 mg/m ³	4 mg/m ³	WHO Guideline Value

Note: The above values are internationally recognised guideline limits. Users should verify applicable workplace exposure limits with the Directorate of Occupational Safety and Health Services (DOSHS) under the Occupational Safety and Health Act (OSHA) 2007.

ENGINEERING CONTROLS

Atmospheric dust levels must be maintained within the Occupational Exposure Limit. Where mechanical ventilation is inadequate or impractical, appropriate personal protective equipment must be used.

PERSONAL PROTECTIVE EQUIPMENT

- Hands: Impervious gloves (e.g. PVC)
- Eyes/Face: Safety goggles or safety glasses conforming to EN 166
- Respiratory: Approved dust mask conforming to EN 149
- Body: Change contaminated clothing and clean before re-use

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aggregated powder
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Colour	Grey
Odour	Odourless
pH (concentrate)	> 12
Boiling Point	Not applicable
Melting Point	Not applicable
Flash Point	None
Auto-flammability	Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not determined
Vapour Pressure (at 20°C)	Not applicable
Relative Density (at 20°C)	2.0 (bulk)
Water Solubility	Partially soluble
Viscosity	Not applicable (solid)

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of storage and handling.

CONDITIONS TO AVOID

Exposure to air and contamination with water during storage.

MATERIALS TO AVOID

Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

None known.

11. TOXICOLOGICAL INFORMATION

INHALATION

Irritating to the respiratory system. Repeated or prolonged exposure to cement dust may cause inflammation of the nasal mucous membranes.

INGESTION

May cause irritation of the mouth, throat and digestive tract.

SKIN CONTACT

Causes skin irritation. Prolonged or repeated skin contact can result in chemical burns. Cement and cementitious products are known to cause both irritant and allergic contact dermatitis.

EYE CONTACT

Causes serious eye damage. May injure eye tissue if not removed promptly.

CHRONIC EFFECTS

Prolonged skin contact with wet cement can result in chemical burns. Chromium VI, present in Portland cement, is a known skin sensitiser and may cause allergic contact dermatitis with repeated exposure.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL ASSESSMENT

Detailed ecological information on this product is limited. The overall environmental impact is not regarded as significant under normal conditions of use.

MOBILITY

Partially soluble in water.

PERSISTENCE AND DEGRADABILITY

Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL

Not expected to be bioaccumulative.

ECOTOXICITY

Not determined.

13. DISPOSAL CONSIDERATIONS

UNUSED PRODUCT

Dispose of in an approved manner in accordance with local and national legislation.

USED / CONTAMINATED PRODUCT

Dispose of as for unused product.

PACKAGING

The method of packaging disposal must be acceptable to and approved by the relevant local authority.

14. TRANSPORT INFORMATION

UN Number	Not applicable
Classification	This product is NOT classified as dangerous for transport
IMO (Sea)	Not classified
IATA / ICAO (Air)	Not classified
ADR (Road)	Not classified

15. REGULATORY INFORMATION

GHS HAZARD CLASSIFICATION SUMMARY

Skin irritation	Category 2 (H315)
Skin sensitisation	Category 1 (H317)
Serious eye damage	Category 1 (H318)
Respiratory irritation	Category 3 (H335)

HAZARD STATEMENTS

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PRECAUTIONARY STATEMENTS

- P260, P264, P270, P272, P280, P302+P352, P304+P340, P305+P351+P338, P333+P313, P501

NAMED INGREDIENTS

Portland cement (OPC) — CAS No. 65997-15-1

APPLICABLE LEGISLATION

Users in Kenya should refer to the Occupational Safety and Health Act (OSHA) 2007 and applicable regulations issued by the Directorate of Occupational Safety and Health Services (DOSHS).

16. OTHER INFORMATION

TRAINING ADVICE

The information contained in this Safety Data Sheet must be communicated to all personnel handling or working in the vicinity of this product.

REVISION

This Safety Data Sheet supersedes all previously issued versions.

Disclaimer: The information provided in this Safety Data Sheet is given in good faith based on BGSB Construction Products Ltd's current knowledge. It is the responsibility of the user to determine the suitability of this information for their particular use. BGSB Construction Products Ltd accepts no liability for any loss or damage arising from the use of this product otherwise than in accordance with the instructions provided.

Sold subject to the Company's Conditions of Sale, available on request.