



Safety Data Sheet

JB-DIAMOND-ADH

High Performance Tile & Stone Adhesive

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name	JB-DIAMOND-ADH— High Performance Tile & Stone Adhesive
Product Code	JB-DIAMOND-ADH
Sub-brand	JengaBond™
Chemical Family	Portland cement (OPC) based polymer-modified tile adhesive
Product Use	Premium cement-based adhesive for fixing ceramic tiles, vitrified tiles and natural stone to walls and floors, internally and externally. For professional application only.
Pack Size	25 kg or 50 kg bag
Supplier	BGSB Construction Products Ltd
Address	Mlolongo, Kenya
Telephone	+254 739 806502
Email	info@jengapro.com
Website	www.jengapro.com
Revision Date	July 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)
Serious eye damage	Category 1 — H318: Causes serious eye damage
Specific target organ toxicity — repeated exposure (inhalation)	Category 2 — H373: May cause damage to organs (respiratory system) through prolonged or repeated exposure

GHS Label Elements

- Signal Word: DANGER
- GHS Pictogram 1 — GHS05 (Corrosion): Serious eye damage
- GHS Pictogram 2 — GHS07 (Exclamation Mark): Skin irritation and sensitisation
- GHS Pictogram 3 — GHS08 (Health Hazard): Damage to organs through prolonged/repeated inhalation exposure

IMPORTANT — CLASSIFICATION EXCEEDS ARDEX'S OWN SHORT-FORM SUMMARY

This source document (Silver Star Plus) is, section for section, essentially identical in wording to the Bronze Star source used for JB-BS-ADH — including the same gap between its formal classification line (“Xi;R41”, serious eye damage only) and its fuller narrative. Section 2’s Human Health paragraph and Section 11’s toxicological narrative describe additional hazards not carried into the formal classification or risk-phrases list: (1) irritant and allergic contact dermatitis from cement contact — H315; (2) skin sensitisation from Chromium VI, corroborated by the EU cement-specific labelling provision in Section 15 (P17) — H317; (3) Section 11 states “harmful: danger of serious damage to health by prolonged exposure through inhalation” — H373



(STOT RE). We have classified this product consistently with JB-BS-ADH and JB-S-GROUT, which share the same underlying source pattern and the same active ingredient (Ordinary Portland Cement, identical CAS number and content range). This adds a third pictogram (GHS08) beyond what Ardex's own Section 2 summary would suggest — please have your H&S reviewer confirm this is acceptable, consistent with the same flag raised on the other two cement-based adhesive/grout products.

Hazard Statements

- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H318 — Causes serious eye damage
- H373 — May cause damage to organs through prolonged or repeated exposure (inhalation)

Precautionary Statements

- P260 — Do not breathe dust
- P264 — Wash thoroughly after handling
- P270 — Do not eat, drink or smoke when using this product
- P271 — Use only outdoors or in a well-ventilated area
- P272 — Contaminated work clothing must not be allowed out of the workplace
- P280 — Wear protective gloves, protective clothing and eye/face protection
- P302+P352 — IF ON SKIN: wash with plenty of water and soap
- 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
- P310 — Immediately call a poison centre or doctor
- P314 — Get medical advice/attention if you feel unwell
- P333+P313 — If skin irritation or rash occurs: get medical advice/attention
- P362+P364 — Take off contaminated clothing and wash it before reuse
- P501 — Dispose of contents/container in accordance with local regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No.	Content	GHS Classification
Ordinary Portland Cement (OPC)	65997-15-1	40 – 50%	H315, H317, H318, H373*
Graded filler	Not assigned	50 – 60%	Not classified
Polymer	Not assigned	5 – 10%	Not classified

Ingredient Comments

*Classification shown reflects the product-level hazard information in Sections 2, 11 and 15 of the source data — see the classification note in Section 2 above.

This product contains a reducing agent to ensure that the soluble Chromium VI content remains below 2 ppm during the defined shelf life of the product.

4. FIRST-AID MEASURES

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do NOT induce vomiting. Get medical attention immediately. Immediately rinse mouth and drink plenty of water (200–300 ml).

Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

5. FIRE-FIGHTING MEASURES



Extinguishing Media

The product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this data sheet.

Environmental Precautions

Do not discharge into drains, watercourses or onto the ground.

Spill Clean-Up Methods

Avoid contact with skin or inhalation of spillage, dust or vapour. Dampen spillage with water. Absorb in vermiculite, dry sand or earth and place into containers. Shovel into dry containers. Cover and move the containers. Flush the area with water.

7. HANDLING AND STORAGE

Usage Precautions

Avoid contact with skin and eyes. Provide good ventilation.

Storage Precautions

Store in a tightly closed original container in a dry and cool place.

Storage Class

Chemical storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Substance	Standard	TWA (8-hour)	STEL (15-min)
Ordinary Portland Cement	OEL (WHO Guideline Value)	4 mg/m ³	Not established

Note: Kenyan workplaces should refer to occupational exposure limits established by the Directorate of Occupational Safety and Health Services (DOSHS) under the Occupational Safety and Health Act (OSHA), 2007. The value above is provided as a WHO/international occupational guideline reference limit pending specific Kenyan gazetted limits for this substance.

Process Conditions

Provide an eyewash station.

Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection

Use protective gloves.

Eye Protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene Measures

Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. Promptly remove any clothing that becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, dust
------------	--------------

10. STABILITY AND REACTIVITY

Stability



Stable under normal temperature conditions.

Conditions to Avoid

Avoid contact with acids.

Hazardous Decomposition Products

Fire creates: carbon monoxide (CO), carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Inhalation

May cause irritation to the respiratory system. May cause damage to mucous membranes in the nose, throat, lungs and bronchial system. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Ingestion

May cause severe irritation of the mouth, oesophagus and gastrointestinal tract.

Skin Contact

Contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

Eye Contact

Risk of serious damage to eyes. May cause chemical eye burns.

Health Warnings

Repeated exposure in excess of the occupational exposure limit has been linked with rhinitis and coughing. Skin exposure has been linked to allergic chromium dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity

May affect the acidity (pH-factor) in water, with risk of harmful effects to aquatic organisms.

Mobility

Non-volatile. Insoluble in water and will sediment in water systems.

Bioaccumulation

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues in accordance with the requirements of the National Environment Management Authority (NEMA) and applicable local authority regulations.

14. TRANSPORT INFORMATION

General	This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). No transport warning sign required.
Road	Not classified
Rail	Not classified
Sea	Not classified
Air	Not classified

15. REGULATORY INFORMATION



GHS Hazard Classification Summary

Hazard Class	Classification
Skin irritation	Category 2 (H315)
Skin sensitisation	Category 1 (H317)
Serious eye damage	Category 1 (H318)
STOT — repeated exposure (inhalation)	Category 2 (H373)

Hazard Statements

- H315, H317, H318, H373 — see Section 2 for full text

Precautionary Statements

- P260, P264, P270, P271, P272, P280, P302+P352, P304+P340, P305+P351+P338, P310, P314, P333+P313, P362+P364, P501

Named Ingredients

Ordinary Portland Cement — CAS No. 65997-15-1

Special Provisions (adapted from EU cement labelling requirements)

- Contains Chromium (VI). May produce an allergic reaction.
- Contact with wet product may cause irritation, dermatitis or chemical burns.
- Contact between product dust and body fluids (e.g. sweat, eye fluid) may also cause skin and respiratory irritation, dermatitis or burns.

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), and to the Environmental Management and Co-ordination Act administered by the National Environment Management Authority (NEMA) for disposal and environmental matters.

16. OTHER INFORMATION

Training Advice

The details of this data sheet must be passed on to all personnel handling the product.

Revision Note

This Safety Data Sheet has been prepared by BGSB Construction Products Ltd for the Jenga® / JengaBond™ range, adapted from source technical data and converted to Globally Harmonized System (GHS) classification format for the Kenyan market.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own 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.