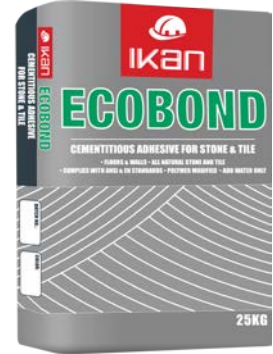


MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **ECOBOND**
 SUPPLIER: IKAN INC
 P. O Box 123826, DUBAI – U.A.E.
 (+971)-4-328545
 EMERGENCY CONTACT: (+971)-4-328545



2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Content
OPC Cement	65997-16-2	30-35%
Dune sand	14808-60-7	65-70%
Dispersible polymer	24937-78-8	1-2%

3. HAZARD IDENTIFICATION

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May cause damage to organs (lung) through prolonged or repeated exposure.

CLASSIFICATION: Xi; R37/38, R41.

4. FIRST AID MEASURES

INHALATION: Remove person to fresh air. If discomfort persists, seek medical advice.

SKIN CONTACT: Remove excess material and wash affected area with plenty of soap and water.

EYE CONTACT: Irrigate immediately with clean water for 15 minutes and seek medical attention.

INGESTION: Wash out mouth with water. Do not induce vomiting. Seek medical attention

5. FIRE FIGHTING MEASURES

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

SUITABLE EXTINGUISHING MEDIA: All standard methods

UNSUITABLE EXTINGUISHING MEDIA: N/A

EXTRAORDINARY HAZARDS: N/A

Special Protective equipment required: Breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Gloves, Overalls and Boots.
 ENVIRONMENTAL PRECAUTIONS: Avoid entry into water courses.
 CLEAN UP METHODS: Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water

7. HANDLING AND STORAGE

HANDLING: Impervious gloves and eye protection, ensure good ventilation
 STORAGE: Store in a cool dry place between 5°C and 35 °C and protect from frost and direct sunlight
 STORAGE CLASS: Unspecified storage

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Name	Std	TWA – 8 hours	STEL - 15 min	Notes
Portland Cement		10 mg/m ³ Total dust		

INGREDIENTS COMMENTS: WEL = Workplace Exposure Limits.

Protective Equipment: Goggles, gloves, overalls and boots.

Engineering Measures: Provide adequate ventilation. Observe WEL and minimize the risk of inhalation of dust.

Respiratory Equipment: No specific recommendation made, but protection against nuisance dust must be used when the personal level exceeds 10 mg/m³.

Hand Protection: Use suitable protective gloves.

Eye Protection: Wear dust resistant safety goggles where there is danger of eye contact.

Other Protection: Wear overalls to prevent skin contact.

Hygiene Measures: Wash at the end of each work shift and before eating, drinking, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Powder, dust
 SOLUBILITY IN WATER: Disperses. Immiscible with water
 BULK DENSITY: 1100 – 1700 kg/m³
 VOLATILE by VOLUME: Nil
 ODOUR: No characteristic odor
 pH, diluted solution: >12

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature conditions
 CONDITION TO AVOID: Avoid contact with acids
 HAZARDOUS POLYMERIZATION: N/A
 HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition product

11. TOXICOLOGICAL INFORMATION

SKIN CONTACT: Possible irritation.
 EYE CONTACT: Possible irritation.
 EFFECTS OF INHALATION: Irritating to respiratory system
 INGESTION: Irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not regarded as dangerous for the environment
 MOBILITY: The product contains substances which are insoluble in Water and which sediment in water systems.
 DEGRADATION: Low
 Bioaccumulation: Accumulates in soil and sediment
 Water Hazard Classification: WGK 1

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations

14. TRANSPORT INFORMATION

GENERAL: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)
 ROAD TRANSPORT NOTES: Not classified
 RAIL TRANSPORT NOTES: Not classified
 SEA TRANSPORT NOTES: Not classified
 AIR TRANSPORT NOTES: Not classified
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT: No

15. REGULATORY INFORMATION

Labelling:



Irritant

Risk Phrases:	R41	Risk of serious damage to eyes.
	R37/38	Irritating to respiratory system and skin.
Safety Phrases:	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable gloves and eye/face protection.

S60	This material and container must be disposed of as Hazardous waste.
S22	Do not breathe the dust.
S46	If swallowed, seek medical advice immediately and show this container or label.

Statutory Instruments: Chemicals (Hazard Information and Packaging Regulations.
Approved Code of Practice: Classification and labelling of Substances and Preparations Dangerous for Supply.
Safety Data Sheets for Substances and Preparations.
Guidance Notes: Workplace Exposure Limits EH40.

16. OTHER INFORMATION

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your Company, who can act on the information. This information is given in good faith, being based on the latest knowledge available to Ikan Inc. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume based on the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any application, contact Ikan Inc for further advice before the proposed application is undertaken

DISCLAIMER

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 use