

H.J. Bennett Ltd. Seafeld Garage, Faulkner Lane, Sandown, Isle of Wight, PO36 8HH

## Material Safety Data Sheet

### Eco-base (SMR), Recycling Centre, Isle of Wight.

#### 1. Product & company details: HJB Eco-base

Manufactured by: H.J. Bennett Ltd  
Seafeld Garage  
Faulkner Lane  
Sandown  
Isle of Wight  
PO36 9AZ  
Tel: 01983 873415  
email: [info@hjbennett.co.uk](mailto:info@hjbennett.co.uk)

#### 2. Composition and Information on Ingredients.

HJB Eco-base is a granular material produced by blending recycled aggregates with a hydraulic binder. The recycled aggregates are of various shapes and colours and range in size from 0-40mm. The hydraulic binder used in the production of HJB Eco-base is produced by Perma-Soil-U.K, and contains irritants such as Portland cement with additions of other non harmful substances. The product also contains an oil based binder which minimises the risk of inhalation.

#### 3. Hazards Information.

Hazard Symbol: Irritant  
Risk Phases: R36/38 Irritating to eyes and skin.

##### Potential Health Effects.

##### A. Possible routes of entry.

Inhalation	Skin	Eyes	Ingestion
	X	X	

##### B. Effects of overexposure: Will cause irritation to exposed skin and other tissue.

HJB Eco-base contains a cementitious binder in small proportions. Care should be taken when handling the binder as it can mix with moisture and can cause chemical burns to the on skin and eyes. Measures should be taken to avoid skin contact. Should skin contact occur wash the affected areas immediately.

#### 4. First Aid Measures.

- Skin Contact:** Flush affected areas with water. Remove any contaminated clothing and launder before reuse. Seek medical advice if symptoms persist.
- Eye Contact:** Flush with clean water for a minimum of 15 minutes. Seek medical advice if irritation persists.
- Inhalation:** Unlikely due to the nature of the substance. However, should inhalation occur give water to drink and seek medical advice.

#### 5. Fire Fighting Measure.

##### ***Recycled Aggregates Containing Asphalt:***

The substance is not flammable unless particles of asphalt are included in the aggregate mix. In which case the following fire-fighting methods should be used:

- Extinguisher to be used:** Dry Powder or Foam.
- Extinguishers NOT to be used:** Water or Co<sup>2</sup>
- Special Exposure Hazards in Fire:** Fires involving asphalt can produce smoke containing dangerous fumes including Hydrocarbons.
- Special Protective Equipment for Fire Fighting:** Due to the presence of Hydrocarbons and dangerous fumes in the smoke protective breathing apparatus must be used.

##### ***Recycled Aggregates Not Containing Asphalt:***

Aggregates not containing particles of asphalt are not flammable and no special measures are required.

In the event of fire use an extinguisher appropriate to the cause of the fire and surrounding area.

#### 6. Accidental Release Measures.

- PPE:** In the event of the accidental release causing dusty condition preferably leave the area until the dust has settled. If you need to enter the area while dust is still in the air use appropriate dust mask and damp down with water spray.
- Methods of clean up:** Non-hazardous to the environment. Clean up spillages by either sweeping or using mechanical equipment to remove. If dry and dust is a problem damp down before clean up starts. Avoid discharging into watercourse.
- Environment:** Aggregates are not hazardous and should be disposed of in accordance with the local authority and environment agency's requirements.

## 7. Handling and Storage.

HJB Eco-base is a granular product and can be handled as any other aggregate. However, avoid skin contact when handling. Store on an impermeable surface to keep the moisture content consistent. During hot or windy conditions store out of the sun in a sheltered position to prevent drying out. During rain cover with a tarpaulin.

## 8. Exposure Controls / Personal Protection.

Respiratory protection:	If dust is in evidence wear a disposable 'nuisance' dust mask.
Hand Protection:	Always wear gloves when handling HJB Eco-base. Wash hands thoroughly when work is completed or if direct contact with skin is suspected.
Eye Protection:	Avoid transferring the substance to the facial area from contaminated gloves and hands.
Skin Protection:	Avoid Contact with skin. This is particularly important when working in hot weather when large areas of skin may be exposed. Remove any spillages into wellingtons immediately. Take precautions as for cement.

## 9. Physical and Chemical Properties.

### ***Recycled Aggregates Containing Asphalt:***

Aggregates come in various shapes, colours and sizes. Aggregates are odourless, solid and have a very high melting point. Asphalt aggregates have a distinctive odour and are black in appearance. Aggregates are not flammable however, asphalt aggregates have a flash point and auto flammability of approximately 230°C. Typical density for aggregates is above 2000kg per cubic metre.

## 10. Stability and Reactivity.

Stability:	Normally Stable but avoid contact with heat, sparks, flame and oxidising agents. . Very high temperatures should be avoided for materials containing asphalt (200°C), as should points of ignition.
Materials to avoid:	All acids. Flammable/ combustible materials.
Hazardous Decomposition products:	None.

## 11. Toxicology Information.

Toxic Dose LD50:	10g/kg (oral rat)
------------------	-------------------

Health Warning:	This product contains a chemical that may cause skin/ eye irritation. Irritant to the eyes and mucous membranes.
Eye Contact:	There may be irritation, redness and watering.
Skin Contact:	Irritation may occur at the point of contact. There may be redness or whiteness of the skin and in severe exposure, blistering may occur.
Inhalation:	There may be a feeling of tightness of the chest with shortness of breath, a cough and a sore throat.
Ingestion:	In the very unlikely event that this product is swallowed there may be soreness and redness of the mouth with pain and difficulty in swallowing. Nausea may occur.
Carcinogenicity:	None of the ingredients of this product have evidence of carcinogenic properties.

## 12. Ecological Information.

Aggregates are not hazardous and should be used for the intended purpose or recycled at an appropriate facility.

## 13. Disposal Considerations.

Aggregates are not hazardous and should be disposed of or recycled in accordance with the local authority and the Environment Agency's requirements.

## 14. Transport Information.

Keep dry and away from oxidising agents.

## 15. Regulatory Information.

Label for supply: HJB Eco-base is not classified as dangerous for supply.

Perma-Soil-UK's SMR binder in powder form:

Risk Phases: R36/38 Irritant to eyes and skin.

Safety Phases: S13 Keep away from food, drink and animal feed stuffs.

S24/25 Avoid contact with skin and eyes.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you fell unwell, seek medical advice immediately (show the label where possible).

### **U.K. Regulatory References:**

*Health and safety at work Act 1974*

*Chemicals (Hazardous Information and Packaging for Supply) Regulations 1994*

*Chemicals (Hazardous Information and Packaging for Supply) (Amendments) Regulations 1997*

*Control of Substances Hazardous to Health Regulations 1994*

*Control of Pollutions Act 1974*

*Environmental Protection Act 1990*

*Special Waste Regulations 1996*

### **16. Other Information.**

If sold to the general public the following safety phases must appear on the packaging:

S1/2 Keep locked up and out of reach of children.

*Please note: We have taken care to make sure our Health and Safety data sheets are correct and up to date at the time of issue. However, we cannot guarantee all information is complete or comprehensive and risk assessments should be carried out by purchasers prior to use.*