



1. PRODUCT AND COMPANY DETAILS

PRODUCT NAME:

Soil Stabiliser

MANUFACTURED BY:

Perma-Soil (UK) Ltd
Phoenix Way
Garngoch Industrial Estate
Gorseinon
SWANSEA
SA4 9WF

Tel: +44 (0) 1792 895 906 ext 208

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Soil Stabiliser contains irritant substances such as Portland Cement with additions of other inert or non harmful substances. The product also contains an oil-based binder, which minimises the risk of inhalation.

3. HAZARDS INFORMATION

Hazard Symbols

Irritant

Risk Phrases

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.

4. FIRST-AID MEASURES

Skin Contact: Flush affected areas with water. Remove any contaminated clothing and launder before re-use. Seek medical advice if symptoms persist.

Eye Contact: Flush with water for at least 15 minutes. Seek medical aid if irritation persists.

Inhalation: Unlikely due to nature of substance.

Ingestion: Unlikely but give water to drink and seek medical advice showing a copy of this document.

5. FIRE-FIGHTING MEASURES

The substance is not combustible and in the event of fire use extinguishing media appropriate to the cause of fire and the surrounding area.

6. ACCIDENTAL RELEASE MEASURES

Do not flush into drains or watercourses.

Do not dispose of with other general waste.

If the substance cannot be utilised for its intended purpose shovel into dry containers and dispose of via a licensed disposal operator giving a copy of this document.

7. HANDLING AND STORAGE

Handle carefully and avoid spillage.
Store in a dry place away from acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Should not be necessary due to dust inhibiting binder. If dust is in evidence wear a disposable "nuisance dust" mask.

Hand Protection: Always wear waterproof gloves when decanting from bags or containers. 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 or hands.

Skin Protection: Avoid contact with skin. This is especially important when working in hot weather when large areas of skin may be exposed. Remove any spillage into wellington boots immediately. Take precautions as for Cement.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown or Grey powder with oily odour.
pH not known.
Solubility: 0.79g/100g water

10. STABILITY AND REACTIVITY

Stability: Normally stable but avoid contact with heat, sparks, flame and oxidising agents.

Materials to avoid: All acids. Strong oxidising agents. Flammable and/or combustible materials.

Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION

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

Health Warning: This product contains substances that may cause skin/eye irritation. Irritant to eyes and mucous membranes.

Symptoms:

Eye Contact: There may be irritation, redness and watering.

Skin Contact: Irritation or pain 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 will be a feeling of tightness to 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.

Acute and Chronic Health Hazards:
Repeated exposure may cause chronic eye irritation.

Carcinogenicity:
None of the ingredients of this product have evidence of carcinogenic properties.

12. ECOLOGICAL INFORMATION

Soil Stabilise becomes inert and insoluble during the curing process that is 80% completed within the first hour. The curing process includes action to absorb ground water to activate the ingredients of the product and to help stabilise the back-fill therefore inhibiting the leaching of ingredients into the surrounding sub-soil.

The National Ground Water and Contaminated Land Centre of the Environment Agency have conducted extensive searches of substance databases and conclude that in the unlikely event of any plant take-up the ingredients of Soil Stabiliser would not be harmful to animals or humans.

Extensive field trials conducted throughout the USA for the Gas Research Council of Chicago concluded that Soil Stabiliser “does not adversely affect pipe materials, is non-toxic and safe for work crews to handle”.

13. DISPOSAL CONSIDERATIONS

Arrange disposal by a licensed disposal operator.

14. TRANSPORT INFORMATION

Keep dry and away from Oxidising Agents.

15. REGULATORY INFORMATION

Label for supply:	Irritant.
Risk Phrases:	R36/38 Irritating to eyes and skin.
Safety Phrases:	S13 Keep away from food, drink and animal feeding 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 feel unwell, seek medical advice immediately (show the label where possible).

UK Regulatory References:

- Health and Safety at Work etc. Act 1974.
- Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.
- Chemicals (Hazard Information and Packaging for Supply)(Amendment) Regulations 1997.
- Control of Substances Hazardous to Health Regulation 1999.
- Control of Pollution Act 1974.
- Environmental Protection Act 1990.
- Special Waste Regulations 1996.

16. OTHER INFORMATION

If sold to the general public the following Safety Phrases must appear on the packaging:
S1/2 Keep locked up and out of reach of children.