



SOVEREIGN PORCEL-FLEX

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & OF THE COMPANY UNDERTAKING

A	Product Name	Sovereign Porcel-Flex
B	Supplier	Sovereign Chemicals Limited Park Road Barrow-in-Furness Cumbria. LA14 4EQ
C.	Emergency Tel. No.	01229 870800 - Office hours 01785 272650 - Out of hours
D.	Appearance	White or Grey Powder
E.	Odour	None

2. HAZARDS IDENTIFICATION

Irritant (Dust hazard). Risk of serious damage to eyes. Inhalation of respirable dust over a prolonged period of time could constitute a health hazard. When mixed with water the product is alkaline and abrasive, which could lead to burns or ulceration if in contact with eyes or skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Key to proportions High 61-100%, Med 11-60%, Low 1-10%, Very Low <1%
Key to identification: **A** = Chip Index No. **B** = EC No. **C** = CAS No.

Component	Classification R-Phrases	Proportions	Exposure Levels (8hr TWA)	Identification
CALCIUM ALUMINATES	Xi R41	LOW	10 mg/m ² (total dust) 4 mg/m ² (respirable)	65997-16-2(C)
CEMENT	Xi R41	MED	10 mg/m ² (total dust) 4 mg/m ² (respirable)	65997-15-1(C)

This product is a blend of cements and inorganic aggregates of fillers and may contain calcium carbonate, pulverised fuel ash, ground granulated blast furnace slag and small percentages of additives. The product may contain a low level of respirable crystalline silica.

4. FIRST AID MEASURES

EYES:	Rinse immediately with water. Continue to rine for at least 15 minutes and seek immediate medical attention.
SKIN:	Wash thoroughly with water and again with soap and water before material dries. If irritation persists seek medical attention. Remove and wash any clothing contaminated with powder.
INGESTION:	Give water or milk to drink. Do not induce vomiting. Where large quantities are involved seek medical attention.
INHALATION:	(Dust). Discomfort relieved by breathing fresh air. In case of inflammation of mucosal membrane seek medical attention.

Medical Practitioners may obtain further information from the National Poisons Information Centre.

5. FIRE FIGHTING MEASURES

Product does not represent a fire hazard. All types of extinguisher applicable. Use extinguisher appropriate to the surrounding conditions.

6. ACCIDENTAL RELEASE MEASURES

Sweep up powder for re-use or disposal as appropriate. Avoid dry sweeping which will create dust. Use vacuum or utilise water spray to dampen down. Mixed materials should be allowed to dry before disposal.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS: Keep out of reach of children. Use correct lifting techniques on heavier bags.

STORAGE PRECAUTIONS: Shelf life is a maximum of 12 months in sealed original packaging. Observe good stock rotation procedures.

STORAGE CRITERIA: Store off the ground in a cool dry place, in the temperature range of 5°C-30°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES: Wear risk of splashing occurs, particularly from wet product, wear goggles conforming to BSEN 166 to avoid any possibility of eye contact.



HANDS, FACE, BODY: Wear CE approved nitrile protective gloves and overalls when handling to avoid skin contact. When grouting – do not use fingers as grouting tool.



RESPIRATORY: Provide adequate ventilation, especially when mixing and wear dust mask. Following the guidelines of EH40 exposure to dust should be adequately controlled and kept below both 10 mg/m³ 8 hour TWA total inhalable dust and 5 mg/m³ 8 hour TWA total respirable dust.



Such (or greater) dust concentrations should be taken as the substantial concentrations to which Regulation 2 of the C.O.S.H.H. Regulation refers.

Total inhalable dust - the fraction of airborne material which enters the nose and throat. Respirable dust - the fraction of airborne material which enters the gas exchange region of the lung. If ventilation is not adequate, wear respiratory protection conforming to EN 140 with A1 filters.

Engineering Controls of operator exposure may replace personal protective equipment if a C.O.S.H.H. Assessment shows a higher standard of protection.

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes wet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Powder	COLOUR:	White or Grey
pH (OF AQUEOUS DISPERSION)	10-14	SPECIFIC GRAVITY:	1.4-1.8
MELTING POINT:	>1500°C		

10. STABILITY AND REACTIVITY

STABILITY: Reacts with water to produce alkaline paste which hardens.

CONDITIONS TO AVOID: Avoid wet and damp conditions. Avoid strong acids and alkalis.

11. **TOXICOLOGICAL INFORMATION**

SKIN	Frequent or prolonged contact may cause irritation or dermatitis.
EYES	May cause irritation, redness and watering. Wet product is alkaline. Dry product is abrasive.
INGESTION	Small quantities ingested unlikely to cause more than temporary discomfort.
INHALATION	Powders can cause inflammation of mucous membranes. Prolonged and repeated exposure in excess of OES may cause rhinitis and coughing.

12. **ECOLOGICAL INFORMATION**

Do not contaminate drains, sewers or waterways with this product. May prove harmful to aquatic life due to the release of alkalis.

13. **DISPOSAL CONSIDERATIONS**

Dispose in accordance with Local Authority Regulations (landfill). Use only licensed waste hauliers and disposal contractors. Any unused mixed material should be allowed to cure before disposal.

14. **TRANSPORT INFORMATION**

Not regulated.

15. **REGULATORY INFORMATION**



IRRITANT

RISK PHRASES:	R41	Risk of serious damage to eyes.
SAFETY PHRASES:	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S39	Wear eye/face protection
	S60	This material and/or its container must be disposed of as hazardous waste.

16. **OTHER INFORMATION**

EH40 Occupational Exposure Limits.
Control Of Substances Hazardous To Health Regulations.
HS(G)97 A Step by Step Guide to C.O.S.H.H. Assessment.
Approved Carriage and Supply Lists.
The Chemicals (Hazards, Identification, Packaging) Regulations

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not be construed therefore as guaranteeing specific properties.

This Safety Data Sheet Issue 7 replaces Issue 6 following review.