

SAFETY DATA SHEET

1. Identification of the Substance / Preparation and of the Company Undertaking

Product Name: SpECTop Armourite E9

Product Use: Concrete Repair

Company: Speciality Engineering Chemicals

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2. Composition / Information on Ingredients

Composition: cement and graded silica sands.

Hazardous Ingredient(s)	Symbol	CAS No.	Risk Phrases	%
Ordinary portland cement	Xn	65997-15-1	R22/38	40 - 60

3. Hazards Identification

Harmful if swallowed.



4. First Aid Measures

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Eyes:	Check for and remove contact lenses if any. Irrigate copious amount of water for several minutes keeping eye lids open. Obtain medical attention if problem persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser immediately . Obtain medical attention if problem persists.
Inhalation:	Remove to fresh air. If not breathing, provide artificial respiration. Seek medical attention if the problem continues.
Ingestion:	Do not induce vomiting. Obtain medical attention and show the container or label.

5. Fire Fighting Measures

Suitable Extinguishing Media:	Not flammable
Special Exposure Hazards:	None
Special Protective Equipment:	None

6. Accidental Release Measures

Personal Precautions:	Wear gloves and other suitable protective clothing.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Gather into containers. Avoid the formation of dust in atmosphere. Residues may be flushed to drain with large volume of water.

7. Handling and Storage

Handling: Avoid creating dust. Use eye/face protection. Ensure adequate ventilation.

Storage: Store in cool dry and cool area.

Decontamination: Gather into containers. Avoid formation of dust in atmosphere.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits : None assigned

Substance	8 Hour TWA	STEL	Source/Other Information
Silica amorphous: total inhalable dust respirable dust	5 mgm ⁻³ 3 mgm ⁻³	—	EH 40
Portland cement: total inhalable dust respirable dust	10 mgm ⁻³ 5 mgm ⁻³	—	EH 40

Engineering Control Measures: Atmospheric levels of dust must be maintained within the Occupational Exposure Standard. Where mechanical methods are inadequate, appropriate personal protective equipment must be used.

Personal Protective Equipment: Impervious gloves (eg PVC). Goggles. Approved dust mask.

9. Physical and Chemical Properties

Physical State:	Solid- Powder
Colour:	Various
Odour:	-
Flash Point °C:	-
SG/Bulk Density:	1910 kg/m ³
Solubility:	Insoluble

10. Stability and Reactivity

Stability: Stable under recommended conditions.

Conditions to avoid: Exposure to air. Contamination with water.

Materials to avoid: None.

Hazardous decomposition products: None.

11. Toxicological Information

Cement, cementitious grouts and mortars are known to cause both irritant and allergic contact dermatitis.
Causes burns when wet.
Harmful by inhalation and if swallowed.

12. Ecological Information

When used and disposed as intended, no adverse environmental effects are foreseen. Expected to be not readily bio-degradable. Bio-accumulative potential and ecotoxicity are not determined.

13. Disposal Considerations

Disposal must be in accordance with local and national legislation.

Do not allow to enter into drains or watercourses. Material and container must be disposed as hazardous waste.

14. Transport Information

Proper Shipping name:	Cement powder
UN Number:	Not classified as hazardous for transport
IMO Class:	Not classified as hazardous for transport
IATA/ICAO Class:	Not classified as hazardous for transport
ADR Class:	Not classified as hazardous for transport
Subsidiary risk:	-
Packaging group:	-
Label:	-
Additional information	
ADR-HIN:	-
IMDG-EMS:	- Marine Pollutant: No
IMO:	-

15. Regulatory Information

EU Regulations:	The product is labeled as follows, in accordance with local regulations.
Hazard Symbol(s):	Xn
Contains:	OPC
Risk Phrases:	R22 - Harmful if swallowed. R38 - Irritating to skin.
Safety Phrases:	S36 - Wear suitable protective clothing. S39 - Wear eye/face protection.
EC Directives:	Dangerous Substances Directive, 67/548/EEC and adaptations. Dangerous Preparation Directive, 88/379/EEC. Safety Data Sheets Directive, 91/155/EEC.
Statutory Instruments:	Chemicals (Hazard Information and Packaging) Regs. 1993 (SI 1746). Control of Substances Hazardous to Health Regs. 1988 (SI 1657). Health and Safety at Work, etc. Act 1974. Environmental Protection Act 1990. Highly Flammable Liquids & Liquefied Petroleum Gases Regs. 1972 (SI 917)
Codes of Practice:	Waste Management. The Duty of Care. Operational Provisions of the Road Traffic (Carriage of Dangerous Substances in packages..etc.) Regs. 1986(COP17)

Guidance Notes: Occupational skin diseases: health and safety precautions (EH 26).
Storage of packaged dangerous substances [HS(G)71].
The storage of highly flammable liquids (CS 2).

The above publications are available from HMSO.

16. Other Information

Issue: 3
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Prepared by: SpEC Technical Department

No liability accepted for any injury, loss, damage or cost arising directly or indirectly from the use of any information contained within this MSDS since the customers treatment of the product is necessarily out of our control.

The data given above is based upon current knowledge and experience. This safety sheet is intended to describe our products in terms of their safety requirements. It does not guarantee the properties of the products described.