
SAFETY DATA SHEET

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

Product Name: SpEC Expand Premix
Company: Speciality Engineering Chemicals
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B. Composition / Information on Ingredients

General Composition: Blend of Portland cement, graded sand and flame retardants.

Substance	CAS No.	Content%	Class (R-Phrases)
Portland Cement	65-997-15-1	>95	X R37/38, 41

C. Hazards Identification

Ingestion: Harmful if swallowed.
Eyes: Mechanical irritant.
Skin: Direct contact with skin may cause irritations.
Inhalation: May irritate if exposure is excessive.
Chronic – prolonged exposure to high level dust may have debilitating effect on the lungs.

D. First Aid Measures

Eyes: Check for and remove contact lenses if any. Irrigate with copious amount of water for several minutes keeping the eyelids open. Obtain medical attention if problem persists.
Skin: Wash thoroughly with soap and water.
Inhalation: Remove to fresh air.
Ingestion: Do not induce vomiting. Obtain medical attention.

E. Fire Fighting Measures

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

F. 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 volumes of water.

G. 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.

H. Exposure Controls / Personal Protection

Occupational Exposure Limits: None assigned

Substance	8 Hour TWA	Source/Other Information
Silica		
Total Inhalable Dust	5mg/m ³	EH 40
Respirable Dust	3mg/m ³	
Portland cement		
Total Inhalable Dust	10mg/m ³	EH 40
Respirable Dust	5mg/m ³	

I. Physical and Chemical Properties

Physical State: Solid powder

Colour: Grey

Odour: Odourless

Flash Point: N/A

SG/Bulk Density: 1650 kg/m³

Solubility: Insoluble

J. 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

Reactivity: Cement reacts with water and hardens.

K. 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.

L. Ecological Information

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

M. 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.

N. Transport Information

Proper Shipping Name: Cement powder
UN Number: Not classified as hazardous for transport.
Marine Pollutant: No

O. Regulatory Information

EU Regulation: The product is labeled as follows in accordance with local regulations.
Hazard Symbol(s): Xn
Contains: OPC
Risk Phrases: R22 – harmful if swallowed
R36 – irritating to eyes
Safety Phrases: S36 – wear suitable protective clothing
S39 – wear eye/face protection

P. Other Information

X: Irritating
R37/38: Irritates respiratory organs and the skin.
R41: Can result in serious eye injuries.
R43: Can result in allergy (on skin contact).