



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: Phoscrete Slow-Set Admix
Part number: PC-SLOW

Relevant identification uses of the substance and uses advised against:

Identified uses: Concrete/mortar admixtures.
Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Phoscrete Corporation
792 Northeast 40th Ct
Oakland Park FL 33334
+1-561-420-0595
safety@phoscrete.com

Emergency telephone numbers:

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC® 24 Hours 800-424-9300 / +1 703-527-3887. Contracted by Phoscrete, CCN 866520

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:
Reproductive toxicity (Category 1B)

Hazard statement:
H360

Label elements:

Hazard pictogram:



Signal word: Danger.

Hazard statements:

H360 May damage fertility. May damage the unborn child.

Precautionary statements:

Prevention

P203 Obtain, read and follow all safety instructions before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P318 IF exposed or concerned, get medical advice.



Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
Boric acid	10043-35-3	>90%	-	Repr. 1B H360FD
	233-139-2			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

Inhalation: If symptoms such as nose or throat irritation are observed, remove to fresh air.

Eye contact: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.

Skin contact: No treatment necessary.

Ingestion: Swallowing small quantities (one teaspoon) will cause no harm.

Most important symptoms and effects, both acute and delayed:

Symptoms of accidental over-exposure to high doses of inorganic borate salts have been associated with ingestion or absorption through large areas of severely damaged skin. These may include nausea, vomiting, and diarrhoea, with delayed effects of skin redness and peeling.

Indication of any immediate medical attention and special treatment needed: Note to physicians: Supportive care only is required for adult ingestion of less than a few grams of the product. For ingestion of larger amounts, maintain fluid and electrolyte balance and maintain adequate kidney function. Gastric lavage is only recommended for heavily exposed, symptomatic patients in whom emesis has not emptied the stomach. Haemodialysis should be reserved for patients with massive acute absorption, especially for patients with compromised renal function.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguisher media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None known.



Special hazards arising from the mixture: None known. The product is not flammable, combustible, or explosive.

Advice for fire-fighters: Not applicable. The product is itself a flame retardant.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Eye goggles and gloves are not required for normal industrial exposures, but eye protection according to ANSI Z.87.1 or other national standard. Respirators should be considered if environment is excessively dusty.

Environmental precautions: The product is a water-soluble white powder that may cause damage to trees or vegetation by root absorption. Avoid contamination of water bodies during clean up and disposal. Advise local water authority that none of the affected water should be used for irrigation or for the abstraction of potable water until natural dilution returns the boron value to its normal environmental background level or meets local water quality standards.

Methods for containment and cleaning up:

Vacuum, shovel or sweep up and place in containers for disposal in accordance with applicable local regulations.

Section 7: Handling and Storage

Precautions for safe handling:

Good housekeeping procedures should be followed to minimise dust generation and accumulation. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Advice on general occupational hygiene: Do not eat, drink, or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

No special handling precautions are required, but dry, indoor storage is recommended. To maintain package integrity and to minimise caking of the product, bags should be handled on a first-in first-out basis.

Specific end uses: Use only as directed.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

1303-86-2 Boron oxide

NIOSH REL TWA 10 mg/m³

OSHA PEL TWA 15 mg/m³

Exposure control:

Appropriate engineering controls: Use local exhaust ventilation to keep airborne concentrations of dust below permissible exposure limits.



Individual protection measures, such as personal protective equipment:

Eye and face protection: Eye protection according to ANSI Z.87.1 or other national standards may be warranted if environment is excessively dusty.

Skin protection: Standard work gloves (cotton, canvas, or leather) may be warranted if environment is excessively dusty.

Respiratory protection: Where airborne concentrations are expected to exceed exposure limits, respirators should be used.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Solid.

Color: White.

Odor: Odourless.

pH (concentration): 6.1 (0.1% solution); 5.1 (1% solution).

Melting point/range (°C): 171 °C

Boiling point/range (°C): No data available.

Flash point (°C): No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower explosive limits: No data available.

Vapor pressure (20 °C): No data available.

Vapor density: No data available.

Relative density (20 °C): 1.49

Water solubility (g/L) at 20 °C: 49.2 g/L

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: If heated above 100 °C water is lost, and boric acid converts initially to metaboric acid (HBO₂) and upon further heating forms boric oxide (B₂O₃).

Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable under recommended conditions of storage.

Possibility of hazardous reactions: Boric acid is a weak acid that may cause corrosion of base metals. Reaction with strong reducing agents such as metal hydrides or alkali metals will generate hydrogen gas which could create an explosive hazard.

Conditions to avoid: Avoid contact with strong reducing agents.

Incompatible materials: Strong reducing agents.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Serious eye damage/irritation: No data available.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: Not data available.

Reproductive toxicity: May damage fertility. May damage the unborn child.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: Biodegradation is not an applicable endpoint since the product is an inorganic substance.

Bioaccumulative potential: This product will undergo hydrolysis in water to form undissociated boric acid. Boric acid will not bio-magnify through the food chain. Octanol/Water partition coefficient: Log Pow = -0.757 @ 25°C

Mobility in soil: The product is soluble in water and is leachable through normal soil. Adsorption to soils or sediments is insignificant.

Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Waste treatment methods: Dispose of in accordance with national and local regulations for special waste via an appropriately licensed waste contractor.

Product/packaging disposal: Product packaging should be recycled where possible. Local authorities should be consulted about any specific local requirements.

Section 14: Transport Information

UN number: -

UN proper shipping name: Not regulated as dangerous goods.

Transport hazard class: -

Packing group: -

Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.



Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Chronic Health Hazard.

SARA Title III Section 313 Supplier Information: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H360 May damage fertility. May damage the unborn child.

Training instructions: Use as instructed.

NFPA rating:



Health 0 - Materials that, under emergency conditions would offer no hazard beyond that of ordinary combustible materials.

Flammability 0 - Materials that will not burn. This includes any material that will not burn in air when exposed to a temperature of 1500 degrees F (815.5 degrees C) for a period of 5 min.

Reactivity/Instability 0 - Materials that in themselves are normally stable, even under fire conditions.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists



**Safety Data Sheet for
Phoscrete Slow-Set Admix**
According to ISO 11014:2009

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit