



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

Product identifier:

Identification as on the label/Trade name: Phoscrete Formula 1-HC Dry Mix [Formerly Phoscrete HC]
Part number: PC-F1-HC

Relevant identification uses of the substance and uses advised against:

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

Details of the Supplier of the Safety Data Sheet:

Phoscrete Corporation
1800 NW 15th Ave Suite 130
Pompano Beach FL 33069
+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:	Hazard statement:
Carcinogenicity (Category 1A)	H350
Reproductive toxicity (Category 1B)	H360
STOT RE (Category 2)	H373

Label elements:

Hazard pictogram:



Signal word: Danger.

Hazard statements:

H350 May cause cancer (inhalation).
H360 May damage fertility. May damage the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

Prevention

P203 Obtain, read and follow all safety instructions before use.
P260 Do not breathe dust.



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.			
Magnesium oxide	1309-48-4	5-20%	-	Not classified
	215-171-9			
Cristobalite	14464-46-1	<2.5%	-	STOT RE 2 H373
	238-455-4			
Quartz (SiO ₂)	14808-60-7	<2.5%	-	Carc. 1A H350 (inhalation)
	238-878-4			
Boric acid	10043-35-3	<2.5%	-	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.

Ingestion: If large amounts are swallowed, give two glasses of water to drink and seek medical attention.

Skin contact: Wash off with soap and plenty of water.

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

Most important symptoms and effects, both acute and delayed:

No further information available.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguisher media: The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Water jet.

Special hazards arising from the mixture: None known.

Advice for fire-fighters: Evacuate area and contact emergency services. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not breathe dust. Avoid dust generation. Use personal protective equipment.

Environmental precautions: Avoid contamination of sewers, waterways and/or groundwater during clean up and disposal.

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:

No special handling precautions are required. Good housekeeping procedures should be followed to minimize dust generation.

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

Conditions for safe storage, including incompatibilities:

Keep container tightly closed in a cool, dry place.

Specific end uses: Use only as directed.



Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

1309-48-4 Magnesium oxide

PEL Long-term value: 15* mg/m³ fume; *total particulate

TLV Long-term value: 10* mg/m³ *as inhalable fraction

14464-46-1 Cristobalite

PEL Long-term value: 0.05* mg/m³ *resp. dust; ½ value from resp.dust formulae Quartz

REL Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³ *as respirable fraction

14808-60-7 Quartz (SiO₂)

PEL Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m³/%SiO₂+2

REL Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³ *as respirable fraction

10043-35-3 Boric acid

TLV Short-term value: 6* mg/m³

Long-term value: 2* mg/m³ *as inhalable fraction

Exposure control:

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

Individual protection measures, such as personal protective equipment:

Respiratory protection: Where airborne concentrations are expected to exceed exposure limits, respirators should be used (CEN149).

Hand protection: Wear gloves if environment is excessively dusty. Suitable material: rubber, nitrile, or butyl.

Eye protection: Wear safety goggles or tightly sealed goggles.

Environmental exposure controls: Do not flush into surface water or sanitary sewer system.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Solid.

Color: Concrete grey.

Odor: Odorless.

pH (concentration): 6 – 8

Melting point/range (°C): >1,500 °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): No data available

Water solubility (g/L) at 25 °C: No data available.

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



Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
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: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Strong acids, bases and 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: May cause cancer.
Reproductive toxicity: May damage fertility. May damage the unborn child.
STOT-single exposure: No data available.
STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Waste treatment methods: Dispose of in accordance with all local / national local regulations via an appropriately licensed waste contractor.
Product/packaging disposal: Dispose of as unused product.



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: WARNING: This product can expose you to chemicals including Silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: Update to product formulation.

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

H350 May cause cancer.

H360 May damage fertility. May damage the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

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

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