

Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Version: 1.1

Revision: 4/6/2023

Trade Name: HYDROPHO-CS14™

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: HYDROPHO-CS14™

1.2 Article No: SDS - HYDROPHO-CS14™

1.3 Details of the supplier of the Safety Data Sheet Manufacturer/Supplier:

Elite Crete Systems
1151 Transport Drive
Valparaiso, IN 46383
Toll Free: 888.323.4445
Tel: (219) 465-7671
elitecrete.com

1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)
CHEMTREC INTERNATIONAL: (703-527-3887)
CANUTEC, CA DOMESTIC: (613-996-6666)

2 Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with CFR 1910 (OSHA HCS)

The product is not classified as hazardous according to GHS criteria.

2.2 GHS Label elements

Symbols: None**Signal Word: None****Hazard statements: None****Precautionary statements:****Prevention:**

P261 Avoid breathing dust/mists
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/clothing/eye/face/protection
P330 Rinse mouth
P302+P352 IF ON SKIN: Wash with plenty of soap and water
P332+P313 if skin irritation occurs: Get medical attention
P362 Take off contaminated clothing and wash before reuse.
P307+P311 IF exposed: IF exposed Call a Poison Control Center or doctor
P314 Get medical advice if you feel unwell

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3 Composition/information on ingredients

3.2 Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Hazardous components:

Identification #	Description	WT. %
CAS: 7631-86-9	Synthetic Amorphous Silica	5-50%

Additional information: Additional H statements see Sec 16.

4 First aid measures

4.1 Description of first aid measures

After inhalation:

In case product dust is released. Sneezing and coughing may occur. Remove to fresh air.

After skin contact:

Wash skin with soap and water. Get medical attention if irritation develops or persists.

After eye contact:

Remove any contact lenses if easily done. Flush eyes with plenty of water for 15 minutes. Get medical attention if irritation persists.

After swallowing:

If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

4.2 Most important symptoms and effects: None Known

4.3 Indication of any immediate medical attention and special treatment needed:

No hazards which require special first aid measures

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: All extinguishing methods are suitable for firefighting in area of product storage or use.

5.2 Special hazards arising from the substance or mixture: none known

Hazardous decomposition products: none known

Flammability: not flammable

As in any fire, wear self-contained positive pressure breathing apparatus, MSHA/NIOSH approved or equivalent and full protective gear

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear personal protective equipment See section 8

6.2 Environmental precautions: All work practices must be aimed at eliminating environmental contamination. No special environmental precautions are required. Dispose material in accordance with local regulations.

6.3 Methods and material for containment and cleaning up: Collect using pump or absorbent. Place material into properly labeled sealed containers. After cleaning rinse area with water.

7 Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid formation of respirable particles. Avoid dust inhalation. Do not breathe dust or mist. Avoid direct contact with eyes, skin, or clothing. Wash hands before breaks and at the end of the day.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep from freezing. Keep container closed in a cool dry place. Provide proper exhaust ventilation where dust is formed.

Requirements to be met by storerooms and receptacles:

protect against frost and freezing

7.3 Specific end use(s): No information

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8 Exposure controls/personal protection

Additional information about design of technical facilities:

Use with adequate ventilation to ensure exposure levels are maintained below (3mg/m³) Use local exhaust ventilation to control airborne dust/vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Ventilation is recommended

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory protection: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Protection of hands: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Protective gloves



Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

Eye protection: Safety glasses with side shields or chemical goggles with a face shield as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.



Tightly sealed goggles

Body Protection:

Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

Exposure guidelines:

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Thin liquid
 Color: Clear to white liquid
 Odor: None
 Odor threshold: NA

pH-value:	10.0
Change in condition	
Melting point/Melting range:	32F/0C
Boiling point/Boiling range:	212F/100C
Flash point:	NA
Flammability (solid, gaseous):	NA
Auto/Self-ignition temperature:	NA
Decomposition temperature:	NA
Self-igniting:	NA
Danger of explosion:	NA
Explosion limits	
Lower + Upper:	NA
Vapor pressure at: 68F (20C)	NA

Density at 20°C:	10.66#/gal
Vapor pressure:	NA
Vapor density:	ND
Evaporation rate:	
Solubility in / Miscibility with Water:	miscible
Specific Gravity 23 C: (Water = 1):	1.28 g/cm ³
Viscosity: @25C:	<20 CPS
Solvent content:	No data available
Organic solvents:	No data available
VOC (EC)	
9.2 Other information	No data available

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10 Stability and reactivity

10.1 Reactivity: none expected

10.2 Chemical stability: Product is stable under normal storage /use conditions

Thermal decomposition / conditions to be avoided: none known

10.3 Possibility of hazardous reactions: none known

10.4 Conditions to avoid: None known

10.5 Incompatible materials: none known.

10.6 Hazardous decomposition products: None Known

11 Toxicological information

11.1 Information on toxicological effects: Toxicity data is available for this product

Acute toxicity:

Acute Dermal	LD 50	>2,000 mg/kg	Rat
Acute Oral	LD 50	>1,000 mg/kg	Rat

Primary irritant effect: Contact with this product can be irritating to exposed skin, eyes and lungs.

Sensitization: This product is considered a skin sensitizer prolong exposure may result in a skin irritation or rash

Additional toxicological information:

None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC

Reproductive toxicity information:

No information available

Carcinogenicity: IARC, ACGIH, NTP, OSHA: no component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12 Ecological information

12.1 Toxicity

Aquatic toxicity:

Results of single exposure (acute) toxicity studies conducted on similar materials indicate that this product is >10000mg/l/24hr-96hr in Daphnia and fish.

12.2 Persistence and degradability: Solids removed from water by sedimentation or binding to sludge

12.3 Bio accumulative potential:

Not expected to bioaccumulate

12.4 Mobility in soil: Not expected

General notes:

Increase in TSS. Materials can be removed by sedimentation or flocculation into sludge.

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13 Disposal considerations

13.1 Waste treatment methods

Recommendations:

Dispose as dry waste in accordance with local, state and federal regulations.

RCRA WASTE CODE: responsibility of the product user to determine at the time of disposal whether a material containing the product should be classified as hazardous

EU WASTE CODE: Not Listed

14 Transport information

14.1 UN-Number

Not regulated

IMDG:

NOT DANGEROUS GOODS

ADR, DOT, IATA, TGD

14.2 UN proper shipping name

ADR, IMDG, IATA: DOT: TGD

not regulated

NOT DANGEROUS GOODS

14.3 Transport hazard class(es)

DOT

Class:

NONE

Label:

ADR, IMDG, IATA

Class:

Label:

NONE

IMDG

Class:

Label:

NONE

IATA

Class:

Label:

NONE

14.4 Packing group

DOT, ADR, IMDG, IATA:

NONE

14.5 Environmental hazards:

Marine pollutant:

This product's ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

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14.6 Special precautions for user

Danger code (Kemler):

No data available

EMS Number:

No data available

14.7 Transport in bulk according to

Annex II of MARPOL73/78 and the

IBC Code:

No data available

Transport/Additional information

ADR

Tunnel restriction code

No data available

UN "Model Regulation":

No data available

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. United States (USA)

SARA: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Toxic Release Inventory): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%):

None of the ingredients are listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

Relevant phrases: HMIS (1- Health) (0- Fire) (0-Reactivity)

Acute Tox. Acute Toxicity

Aquatic Acute. Acute aquatic toxicity

H302: Harmful if swallowed

H312: Harmful in contact with skin

H332: Harmful in contact with skin

H315: causes skin irritation

P code: **Precautionary Statements**

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

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333 +P313: If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to waste disposal

R21: Harmful in contact with skin

R34: Causes burns.

R43: May cause sensitization by skin contact

R52/53: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

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).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.