

Section 1. Product Identification

**Trade Name/Product Name** HydroPhase C150 SL  
**Recommended Use** Flooring and Construction  
**Recommended Restrictions** Use in accordance with manufacturer's recommendations

**Manufacturer/Importer/  
Supplier/Distributor information**

**Company Name** HydroPhase  
**Address** 3010 NW 149<sup>th</sup> St, Suite 100, Oklahoma City, OK 73134  
**Telephone** (405) 310-1650 I Fax (405) 213-1591  
**Website** [www.hydrophasecements.com](http://www.hydrophasecements.com)

**Emergency Phone** CHEMTREC 1-800-424-9300 I +1 703-527-3887 CCN823126

Section 2. Hazards Identification

**GHS Ratings**

**Skin Corrosive 1A** H314  
**Eye Damage 1** H318  
**Skin Sensitizer 1** H317  
**STOT SE 3** H335

**GHS Hazards**

**H314** Causes severe skin burns and eye damage.  
**H315** Causes skin irritation  
**H317** May cause an allergic skin reaction.  
**H318** Causes serious eye damage.  
**H320** Causes eye irritation  
**H335** May cause respiratory irritation.

**Precautionary Statements**

**P260** Do not breathe dust.  
**P264** Wash hands, forearms, and exposed areas thoroughly after handling.  
**P271** Use only outdoors or in a well-ventilated area.  
**P280** Wear eye protection, face protection, protective clothing, and protective gloves.  
**P301+P330+P331** IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
**P302+P352** IF ON SKIN: Wash with plenty of water  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
**P304+P340** IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
**P310** Immediately call a POISON CENTER, a doctor.  
**P333+P313** If skin irritation or rash occurs: Get medical advice/attention.  
**P362+P364** Take off contaminated clothing and wash it before reuse.  
**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P501** Dispose of contents/container in accordance with local, regional, national, and international regulations

**Hazard Pictograms**



## Section 3. Composition/Information on Ingredients

Chemical Name	CAS Number	Weight/Concentration
Proprietary Hydraulic Cement	Trade Secret	
Crystalline Silica	14808-60-7	<.1% *

### Composition Comments

The specific chemical identity and the exact percentage of composition of this proprietary hydraulic cement has been withheld as a trade secret.

\*No detectable amounts of crystalline silica are present in this formulation, however the final product is made by mixing natural materials that could contain contamination from naturally occurring respirable crystalline silica. If so mixed, all appropriate protective measures should be used.

## Section 4. First-Aid Measures

<b>Eye Contact</b>	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	If on skin: Wash with plenty of water/mild soap and water. Specific treatment: see supplemental first aid instruction on label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
<b>Inhalation</b>	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor
<b>Ingestion</b>	If swallowed: Rinse mouth and seek medical help immediately. Do not induce vomiting. Portland cement is highly alkaline (pH 12) and may cause burns to the esophagus and stomach. The use of diluents is controversial and neutralization is contraindicated.
<b>Target Organs</b>	Eyes, skin and respiratory system.
<b>Medical Conditions Which May Be Aggravated</b>	Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema, and asthma.
<b>Primary Routes of Entry</b>	Inhalation, ingestion and contact with eyes and/or skin

## Section 5. Fire and Explosion Hazard Data

<b>Flash Point</b>	Non-combustible
<b>Auto-Ignition</b>	Not applicable
<b>Flammable Limit</b>	Not applicable
<b>Fire Extinguishing Media</b>	Use extinguishing media appropriate for surrounding fire
<b>Special Fire Fighting Procedures</b>	Wear proper personal protective equipment as listed in Section 8
<b>Hazardous Combustion Procedures</b>	Not applicable
<b>Explosion Hazards</b>	None known

## Section 6. Accidental Release Measures

<b>Methods and Materials for Containment and Clean Up</b>	Remove by dry sweeping or vacuum. Avoid creating excessive dust. It is recommended that gloves and a mask be worn while cleaning the spill. If already mixed with water, scrape up and place in container. Wear appropriate protective equipment as described in Sections 7 & 8.
<b>Environmental Precautions</b>	Dispose of material in accordance with all applicable federal, state and local regulations. Can be disposed as an inert solid in a landfill. Slurry may plug drains.

## Section 7. Handling and Storage

<b>Precautions For Safe Handling</b>	Avoid contact with skin and eyes. Do not breathe dust. Use only in well ventilated areas. A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. When using, do not eat or drink. Wash hands before eating, drinking or smoking.
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<b>Conditions For Safe Storage, Including Any Incompatibilities</b>	Keep out of reach of children. Keep the container tightly closed and dry. Store in a covered, dry climate-controlled area, away from incompatibles listed in Section 10.
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**Section 8. Exposure Controls/Personal Protection**

**Occupational Exposure Limits  
US. OSHA table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value	Form
Cement Dust	TWA	5 mg/m3	Respirable
Crystalline Silica	TWA	5 mg/m3	Respirable

**US ACGIH Threshold Limit Values**

Components	Type	Value	Form
Cement Dust	TWA	1 mg/m3	Respirable
Crystalline Silica	TWA	0.025 mg/m3	Respirable

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
Cement Dust	TWA	5 mg/m3	Respirable
Crystalline Silica	TWA	.5 mg/m3	Respirable

<b>Engineering Controls</b>	Ventilate to keep exposures below TLV requirements of the individual ingredients. General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary to control dust
<b>Respiratory Protection</b>	None required where adequate ventilation conditions exist. A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Consult with respirator manufacturer to determine respirator selection, use, and limitations.)

**Section 9. Physical and Chemical Properties**

<b>Appearance</b>	Grey
<b>Physical State</b>	Powdered/Solid
<b>Melting Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Odor</b>	Low
<b>Odor Threshold</b>	Not determined
<b>Flash Point</b>	Non-combustible
<b>Flammability Limits</b>	Not Applicable
<b>Solubility (in water)(g/100g)</b>	0.15%
<b>Initial Boiling Point</b>	Not Applicable
<b>Boiling Range</b>	Not Applicable
<b>Specific Gravity</b>	2.6-3.0
<b>pH</b>	10-12
<b>Hardening Time</b>	45-180 minutes
<b>Vapor Pressure</b>	Not Applicable
<b>Vapor Density</b>	Not Applicable
<b>Auto-Ignition Temperature</b>	None
<b>Evaporation Rate</b>	Not Applicable
<b>Viscosity</b>	Not Applicable
<b>Upper Flammability Limit</b>	Not Determined
<b>Lower Flammability Limit</b>	Not Determined



<b>Decomposition Temp</b>	1450°C/2642°F
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**Section 10. Chemical Stability and Reactivity**

<b>Conditions of Reactivity</b>	Reacts with water and produces large amounts of heat (normal condition of use).
<b>Chemical Stability</b>	Stable at normal storage conditions and temperature.
<b>Conditions to Avoid</b>	Water, high humidity, and acids.
<b>Hazardous Decomposition Products</b>	Stable at normal storage conditions and temperature.
<b>Hazardous Polymerization</b>	None known.

**Section 11. Toxicological Information**

**Information on likely routes of exposure**

<b>Acute Effects</b>	The acute oral toxicity study [OECD TG 420] of calcium sulfate dihydrate showed that this chemical did not cause any changes and there was no evidence of germ cell mutagenicity.
<b>Chronic Effects</b>	Crystalline Silica: Exposures to respirable crystalline silica are not expected during the normal use of this product; however, levels must be determined by in-house workplace hygiene testing.

**Section 12. Ecological Information**

<b>Acute Effects</b>	There are no known causes from this product that would harm the Ecology. However, the this cement has high alkaline properties (pH> 12), which are expected to be toxic to fish. The disposal of large quantities directly into waterways would be expected to cause significant aquatic life death.
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## Section 13. Disposal Considerations

<b>Disposal Procedure</b>	Dispose of material in accordance with all applicable federal, state and local regulations. Can be disposed as an inert solid in a landfill. Slurry may plug drains. Do not dispose of directly in waterways or sewers.
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## Section 14. Transport Information

<b>Department of Transportation (DOT) Requirements</b>	This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.
<b>Canadian Transportation Of Dangerous Goods</b>	Not regulated as dangerous goods
<b>UN#</b>	None. Not regulated as dangerous goods
<b>ADNR</b>	None
<b>RID/ADR</b>	Not classified
<b>Environmental Hazards</b>	None
<b>Annex II of MARPOL 73/78</b>	Not Applicable
<b>International Bulk Chemical Code</b>	Not Applicable

## Section 15. Regulatory Information

<b>U.S. EPA's Toxic Substance Control Act Chemical Substance Inventory</b>	Not listed as reportable quantity or regulated quantity in SARA Title III Sections 302, 304, and 313. CAA Section 112® Regulated Chemicals for Accidental Release Prevention, CERLA Hazardous Substances, and RCRA Hazardous Waste.
<b>Canadian Controlled Product Regulations</b>	Crystalline Silica: IDL* Item #1406 Classification: D2A Portland Cement: WHMIS** Classification: E
<b>European Union Directive 67/548/EEC (Annex III and IV)</b>	R36, R37, R38, S37, S3, S39, and S51.

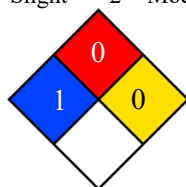
\*IDL Item: Canadian Hazardous Product Act Ingredient Disclosure List

\*\* WHMIS: Workplace Hazardous Safety Information System

## Section 16. Other Information

<b>Issue Date</b>	03/10/2020
<b>Version</b>	1
<b>Further Information</b>	NFPA Ratings
<b>RID/ADR</b>	Health: 1 Flammability: 0 Physical Hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.