



## Safety Data Sheet ProLong

Revision date: January 2, 2020

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** ProLong (Water Reducing Retarding Stabilizing Concrete Admixture)  
**Synonyms:** None  
**Chemical family:** Specialty Products  
**Producer:** Premiere Concrete Admixtures  
508 Cedar Street  
Pioneer, Ohio 43554  
[www.premiereadmix.com](http://www.premiereadmix.com)

**Telephone:** 419-737-9808 Available during normal business hours

**Emergency:** CHEMTREC 800-424-9300 Available 24 hours

### Section 2. HAZARDS IDENTIFICATION

#### GHS Hazards, Label Elements and Precautionary Statements

This product is not classified as a hazardous substance under GHS.  
This product has no label elements

#### Symptoms and Precautions

**Inhalation:** May cause respiratory irritation in susceptible individuals. Inhalation of dust may cause shortness of breath, sneezing and coughing. (See Section 4 for first aid)

**Ingestion:** Ingestion is not anticipated in an industrial environment. If large amounts are ingested, the product may cause irritation, nausea, and stomach pain. (See Section 4 for first aid)

**Skin contact:** Wear protective gloves and protective clothing, (See Section 8). Skin contact with this product may cause mild skin irritation and redness in susceptible individuals. (See Section 4 for first aid).

**Eye contact:** Wear eye protection. Eye contact may cause mild irritation.

**Chronic:** This product is not known to pose any chronic health hazards.

**Carcinogenic evaluation:** No component of this product present at levels greater than 0.1 % is identified as a known, suspected or potential carcinogen by the NTP, the IARC or OSHA.

### Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Material information:

Name	CAS No.	Weight %
Glucono Delta Lactone	90-80-2	90-99*

**\*Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

## Section 4. FIRST AID MEASURES

- Inhalation:** Move exposed persons to fresh air. If symptoms occur, seek medical attention.
- Skin contact:** Remove contaminated clothing and shoes. Wash affected skin with soap and water. Wash contaminated clothing before reuse. If symptoms occur, seek medical attention.
- Ingestion:** Do not induce vomiting unless instructed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If conscious and alert, rinse mouth with water. If symptoms occur, seek medical attention.
- Eye contact:** Check for and remove any contact lenses. Flushing eyes with tepid water lifting upper and lower lids. Seek medical attention.

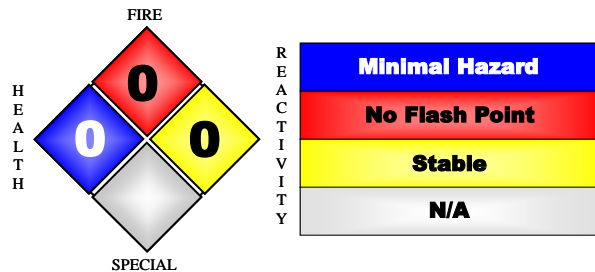
## Section 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** Use water spray.  
Do not use carbon dioxide

**Specific hazards:** Not available

**Special protective equipment for firefighters:** As with any fire, wear self-contained breathing apparatus and full protective gear.

	NFPA rating:	HMIS rating:
Health:	0	0
Flammability:	0	0
Instability/reactivity:	0	0
Other:	N/A	B (PPE)



## Section 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Immediately contact emergency personnel. Avoid dust formation Avoid breathing vapors or mist. Ensure adequate ventilation. For personal protection, see Section 8.
<b>Large Spill:</b>	Do not let product enter drains. Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120.
<b>Methods for Containment and Clean up</b>	Avoid creating or breathing dust. Sweep up and shovel. Keep in a suitable, closed container for disposal. Wear personal protective equipment (Section 8).

## Section 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid formation of dust. General ventilation is adequate.
<b>Storage:</b>	Store in a cool, well-ventilated area. Keep containers closed when not in use. The average shelf life is 18 months. Do not store with incompatible materials. See Section 10, Stability and Reactivity.

## Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Name	CAS No.	Exposure Limits TWA <sup>C</sup>		
		ACGIH® TLV®	Federal OSHA PELs	OSHA PELs 1989 <sup>B</sup>
Glucono Delta Lactone	90-80-2	Not Established <sup>A</sup>	Not Established <sup>A</sup>	Not Established <sup>A</sup>

<sup>A</sup> Contains no substances with occupational exposure limits.

<sup>B</sup> Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

<sup>C</sup> All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise. Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.

**Engineering measures:** General ventilation is acceptable if exposure to materials in this section does not create symptoms listed in Section 2. Since no exposure limits exist, provide local exhaust ventilation according to general industrial hygiene practices if symptoms appear.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:**

When engineering controls are not sufficient to reduce exposure to levels below applicable exposure limits, seek professional advice prior to respirator selection and use.

**Skin and body protection:**

Handle with impervious (PVC, neoprene, nitrile) gloves. Choose body protection e.g. impervious apron, sleeves, coveralls, according to the amount and concentration of dust created.

**Eye protection:** Wear safety glasses with unperforated sideshields or goggles.

**Hygiene measures:** Avoid skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities.

**Other precautions:** Recommend emergency eyewash and shower in the immediate area.

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Granular powder
<b>Physical state (solid/liquid/gas):</b>	Solid
<b>Substance type (pure/mixture):</b>	Mixture
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Molecular weight:</b>	178
<b>pH:</b>	Not applicable (as a solid product) 4 (1% aqueous solution); ~2.6 after 2 hours
<b>Boiling point/range (5-95%):</b>	Not applicable
<b>Melting point/range:</b>	302-311°F, 150-155°C
<b>Decomposition temperature:</b>	Unknown
<b>Specific gravity:</b>	~0.60 kg/liter
<b>Flash point, method used:</b>	Not applicable
<b>Water solubility:</b>	100 %
<b>VOC Content:</b>	0 %
<b>Auto-ignition temperature:</b>	752°F, 400°C
<b>Flammable limits in air — lower (%):</b>	30-60 grams/cubic meter
<b>Flammable limits in air — upper (%):</b>	Not applicable
<b>Minimum Ignition Energy (MIE):</b>	>1,200 mJ
<b>Maximum Explosive Pressure:</b>	approximately 6.7 bars
<b>Kst:</b>	approximately 48 bar m/s; Class 1

## Section 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Stability:</b>	The material is stable under recommended storage conditions.
<b>Possibly hazardous reactions:</b>	None known
<b>Conditions to avoid:</b>	Avoid moist air.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong bases
<b>Hazardous decomposition products:</b>	Carbon monoxide, carbon monoxide.
<b>Polymerization:</b>	Will not occur.

## Section 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No toxicity data is available for the product as a mixture. The following component data is provided.

### Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Glucono Delta Lactone	90-80-2	Not available	Not available	Acute LD <sub>50</sub> (Rat):7,930 mg/kg

**Chronic toxicity:** Ingredients are not listed by the IARC, NTP, OSHA, or EPA as carcinogenic. The toxicological properties have not been fully investigated.

**Sensitization:** Not known to cause sensitization in humans.

## Section 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects:</b>	Fish	LC <sub>50</sub> 96 hours	>1,000 mg/liter
	Daphnia	LC <sub>50</sub> 48 hours	>1,000 mg/liter
	Fish	Chronic value	>100 mg/liter
	Daphnia	Chronic value	>100 mg/liter

### Bioaccumulative

**Potential:** The product does not bioaccumulate.

### Persistence and degradability:

Readily and rapidly biodegradable.

**Mobility in Soil:** No data available.

## Section 13. DISPOSAL CONSIDERATIONS

**Disposal considerations:** Offer surplus and non-recyclable material and contaminated containers to a licensed waste disposal company. Dispose in accordance with state/provincial, and local regulations.

## Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

<b>Transport information:</b>	Not regulated for transport
<b>Hazardous Materials Description:</b> (DOT and IATA):	None
<b>UN/identification no.:</b>	None
<b>Proper shipping name:</b>	None
<b>Hazard class:</b>	None
<b>Packing group:</b>	None
<b>DOT reportable quantity (lbs.):</b>	None

## Section 15. REGULATORY INFORMATION

### U.S. federal regulatory information:

#### State and community right-to-know regulations:

*The following component(s) of this material are identified on the regulatory lists below:*

**U.S. TSCA Chemical inventory Section 8(b), AICS (Australia), DSL (Canada):** Glucono Delta Lactone, CAS Number 7631-36-9, is listed in TSCA, AICS, and DSL.

**OSHA** — This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard.

#### **CERCLA** Sections 102a/103 (40 FR 302.4):

This product is not classified as hazardous or reportable under this requirement.

Some Components of this product are listed in the following sections of **SARA**:

SARA Title III Section 302 — Not applicable

SARA Title III Section 304 — Not applicable

SARA Title III Section 313 — Not applicable

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard: No

Chronic health hazard: No

Fire hazard: No

Reactive Hazard: No

Pressure Hazard: No

**Marine Pollutant:** Not listed

**State Regulations:** Glucono Delta Lactone, CAS Number 90-80-2, appears on the following state hazardous substance lists: NJ and PA. Check individual state requirements.

#### **California Proposition 65 Components**

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

### INTERNATIONAL REGULATIONS

**Identification According to EEC Directives:** EINECS Number: 202-016-5.

#### **WHMIS (Canada)**

Classification: Not controlled.

***NOTE:** User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.*

## Section 16. OTHER INFORMATION

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, **Premiere Concrete Admixtures (Premiere)** does not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, representation, or license of any kind, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. **Premiere** assumes no responsibility for injuries proximately caused by use of the Materials if reasonable safety procedures are not followed as stipulated in this Safety Data Sheet. Additionally, **Premiere** assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. The buyer assumes the risk in its use of the Material.