Safety Data Sheet
PCA-AWA

Revision date: January 2, 2020

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: **PCA-AWA (Viscosity Modifying Underwater Placement Concrete) Admixture**
Synonyms: None
Chemical family: Specialty Products
Producer: Premiere Concrete Admixtures
508 Cedar Street
Pioneer, Ohio 43554
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 and Precautionary Statements
WARNING — Causes Eye Irritation *(category 2B)*, H320
WARNING — Causes Mild Skin Irritation *(category 3)*, H316

Precautionary Statements
IF IN EYES, Remove contact lenses if present and easy to do so, rinse with water for several minutes. P337 + P313: If eye or skin irritation persists – get medical advice/attention.

Inhalation: Inhalation of airborne dust may cause mechanical irritation of the upper respiratory tract.

Ingestion: Ingestion is not anticipated in an industrial environment. If ingested in large quantity, the material may locally dehydrate contacted tissue, producing mechanical irritation, and/or result in blockage.

Skin contact: Skin contact with dust from this product can produce a drying sensation and mechanical irritation of the skin and mucous membranes.

Eye contact: Exposure to dust can produce a drying sensation and mechanical irritation of the eyes.

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 %
Amorphous Silicon Dioxide	7631-86-9	Less than 10%

***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 the person is conscious and alert drink water to clear throat and blow nose to remove dust. If the person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. Seek medical attention.

Skin contact: Quickly remove contaminated clothing and shoes. Wash affected skin with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. If irritation persists, 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 the mouth with water. Call a physician or poison control center immediately.

Eye contact: Check for and remove any contact lenses. Flushing eyes with tepid water lifting upper and lower lids occasionally for 15 minutes. If irritation persists, seek medical attention.

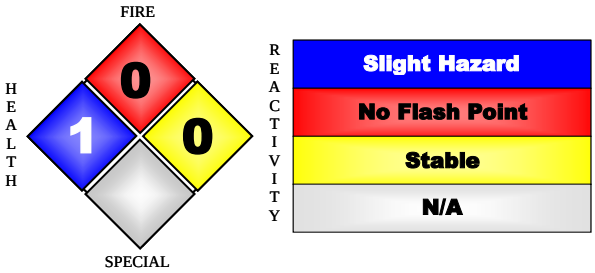
Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use extinguishing media suitable for the surrounding fire.

Specific hazards: None

Special protective equipment for firefighters: No special protective equipment.

	NFPA rating:	HMIS rating:
Health:	**1**	**1**
Flammability:	**0**	**0**
Instability/reactivity:	**0**	**0**
Other:	**N/A**	**B (PPE)**



Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately contact emergency personnel. Evacuate any potentially affected area and isolate personnel from entry. Ensure adequate ventilation.
Large Spill:	Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120.

Methods for Containment and Clean up	Avoid creating or breathing dust. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8).

Section 7. HANDLING AND STORAGE

Handling:	Keep containers closed when not in use. Avoid formation of dust and aerosols.
Storage:	Protect material from temperatures under 32° F (0° C). Store in a dry, well-ventilated place. The average shelf life is 12 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.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989 [B]
Amorphous silicon dioxide Synonym: Amorphous precipitated silica	7631-86-9 (112926-00-8)	Withdrawn – due to insufficient data	80 mg/m^3 [A] % SiO_2	6 mg/m^3 [A]

All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

[A] Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.
[B] Federal OSHA 1989 PELs were vacated but are in use and enforced by many state OSHA plans.

Engineering measures: General ventilation is acceptable if exposure to materials in this section is maintained below applicable exposure limits. If exposure limits are exceeded, provide local exhaust ventilation according to general industrial hygiene practices.

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. For concentrations less than 10 times the exposure limits, wear a properly fitted NIOSH/ MSHA-approved respirator with particulate N-95 filter.

Skin and body protection: Handle with gloves. Choose body protection according to the amount and concentration of dust created.

Eye protection: Wear safety glasses with unperforated sideshields.

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

Other precautions: None

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Tan Liquid
Physical state (solid/liquid/gas): Liquid
Substance type (pure/mixture): Mixture
Color: Tan
Odor: None
Molecular weight: Not available
pH: Not applicable
Boiling point/range (5-95%): 212°F, 100°C

Melting point/range:	Not available
Decomposition temperature:	Not available
Specific gravity:	Not available
Vapor density:	Not applicable
Vapor pressure:	Not applicable
Evaporation rate (Butyl acetate= 1):	Not applicable
Flash point, method used:	Not applicable
Water solubility:	100 %
VOC Content:	0 %
Auto-ignition temperature:	Material is not self-igniting
Flammable limits in air — lower (%):	Not applicable
Flammable limits in air — upper (%):	Not applicable

Section 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	The material is stable and not sensitive to mechanical impact.
Possibly hazardous reactions:	None known
Conditions to avoid:	None known
Incompatible Materials:	Strong oxidizing agents, hydrofluoric acid
Hazardous decomposition products:	None expected during normal storage, handling, and use.
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Amorphous silicon dioxide Synonym: Amorphous precipitated silica	7631-86-9 (112926-00-8)	Not available	Not available	Acute LD_{50} (Rat):3,160 mg/kg Acute LD_{50} (Rat):7,500 to >10,000 mg/kg

Chronic toxicity: Ingredients are not listed by the IARC, NTP, OSHA, or EPA as carcinogenic. This product contains **amorphous silicon dioxide**, also referred to as amorphous precipitated silica. Amorphous silica should not be confused with crystalline silica. Epidemiological studies indicate low potential for adverse health effects from exposure to amorphous silica.

Sensitization: Not known to cause sensitization in humans.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects:	LC_{50} : >10,000 mg/l (daphnia magna) 24-hours, Method OEDC 203. LC_{50} : >10,000 mg/l (fish; Brachydanio rerio) 96-hour Method OEDC 203.
Bioaccumulative Potential:	There is no evidence to suggest bioaccumulation will occur.
Persistence and degradability:	Not applicable for inorganic material.
Mobility in Soil:	There is no evidence that spills of materials to soil would cause adverse ecological effects.

Section 13. DISPOSAL CONSIDERATIONS

Disposal considerations: This product is not regulated as a hazardous waste under U.S. RCRA regulations. Dispose in an approved landfill in accordance with state/ provincial, and local regulations.

Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

Transport information: Not regulated for transport
Hazardous Materials Description: (DOT and IATA): None
UN/identification no.: None
Proper shipping name: None
Hazard class: None
Packing group: None
DOT reportable quantity (lbs.): 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): Amorphous silicon dioxide, 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:	Yes
Chronic health hazard:	No
Fire hazard:	No
Reactive Hazard:	No
Pressure Hazard:	No

Marine Pollutant: Not listed

State Regulations: Amorphous silicon dioxide, CAS Number 7631-36-9, appears on the following state hazardous substance lists: CA, IN, KY, MA, MN, NC, NJ, OR, 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: Amorphous silicon dioxide, CAS Number 7631-36-9, is not classified as dangerous according to the rules of 67/548/EEC and amended by 92/32/EEC.

WHMIS (Canada)

Classification: Not available.

Amorphous silicon dioxide, CAS Number 7631-36-9, is listed on the WHMIS Ingredient Disclosure List at a concentration threshold of 1%.

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.