

Material Safety Data Sheet

MONOCRETE PW 100

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: MONOCRETE PW 100 (Powder)

Chemical Family: Powder waterproofing admixture for concrete and mortar

Manufacturer: Starke Construction Chemicals
Tel. +256 787 288 087

Email: info@starkepolymers.com

Website: www.Starke polymers.com

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Calcium hydroxide, Sodium Salt of Poly-Naphthalene Sulphonic acid.

Hazardous Ingredient(s): Symbol Risk Phrases CAS No. %

Calcium hydroxide: Xi R38, R41 1305-62-0 10 - 20

Sodium Salt of Poly- Xi R36/37/38 36290-04-7 80 - 90

Naphthalene Sulphonic acid

THIS PRODUCT IS CHEMICAL

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Irritating to eyes, respiratory system and skin. Risk of serious damage to eyes-

Classification: Xi. R36/37/38, R41.

4: FIRST AID MEASURES

Eyes: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Inhaation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give any-

thing by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup): Non flammable.

Extinguishing Media: Carbon dioxide, powder, foam or water.

Personal Protective Equipment: Self-contained breathing apparatus.

Special Exposure Hazards: Alkaline hydroxides boiled with phosphorus yields mixed phosphines which may ignite spontaneously in air. Sulfur oxides (SO₂, SO₃) and Carbon Oxides (CO, CO₂).

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: into labeled containers. Dispose off as applicable regulations.

7: HANDLING AND STORAGE

Handling: Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed in a cool dry area away from sources of heat and out of direct sunlight to avoid pressure build up. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye protection: Tightly sealed safety glasses/goggles.

Skin contact: Impervious gloves (e.g. PVC). Suitable protective clothing.

Respiratory Protection: Organic chemical cartridge respirator.

Engineering controls: Use only in well ventilated areas. Local exhaust ventilation is recommended.

Hygiene Measures: Change contaminated clothing and clean before re-use.

Exposure Guidelines: TWA: 5 (mg/m³)

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	Light yellow
Odour:	Not Applicable
pH (concentrate):	Not Applicable
Boiling Point (°C):	Not Applicable
Flash Point (closed cup) (°C):	Not Applicable
Flammability (°C):	Not Applicable

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to Avoid: Not Applicable

Chemical Incompatibility: Acids

Hazardous Decomposition Products: Thermal decomposition can yield oxides of carbon, toxic fumes.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Acute Oral effect LD₅₀ > 2000mg/kg.

Health Effects

On Eyes: Causes severe irritation of the eyes. Can cause "Lime Burns" of the eye. Clumps may lodge deep in the recesses of the eye, releasing calcium hydroxide over a long period of time. Severe burns of the cornea with possible damage to corneal nerves can occur.

On Skin: Causes skin irritation. Alkalies penetrate skin slowly. The extent of damage depends on the duration of contact.

By Inhalation: Causes severe irritation of the respiratory tract (nose, throat, lungs), and mucous membranes with coughing, wheezing and/or shortness of breath. Material is destructive to tissue of the mucous membranes and upper respiratory tract.

By Ingestion: Causes gastrointestinal tract irritation with vomiting, diarrhea, severe pain. Vomitus may contain blood and desquamated mucosal lining. May cause delayed gastrointestinal burns

and perforation (gastric or esophageal) with severe abdominal pain and rapid fall in blood pressure.

Chronic: Prolonged or repeated skin contact may produce severe irritation or dermatitis.

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed off as intended, no adverse environmental effects are foreseen.

Mobility: Powder.

Degradability: Not determined.

Bioaccumulation: Not determined.

Acute Fish Toxicity: Not determined.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose off through an authorized waste contractor to a licensed site.

Used/ Contaminated Product: As for unused product.

Packaging: Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard not Data:

Named Ingredients: Calcium Hydroxide

Risk Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin. R41 Risk of serious damage to eyes.

Safety Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.



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