

# Alfa Prime Color Hardener

## Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Alfa Prime Color Hardener

**Product number:**

**Product form:** Powder Mixture

**Manufacturer: Address:** Canada, L6W 3M6 905-454-7575,

**Telephone:** 365-341-7575

Alfa Prime Concrete Supplies Ltd.

54 Bramsteele Rd, Unit 17, Brampton, ON,

**Emergency phone number:**

**Recommended use:** Cement based Color Hardener for pavements, driveways and floor surfaces.

### 2. HAZARD(S) IDENTIFICATION

#### GHS Classification

Category 1A Causes severe skin burns and eye damage

Category 1B May cause an allergic skin reaction or corrosion

Category 1A May cause cancer

STOT SE – Category 3 May cause respiratory irritation

STOT RE – Category 1 Causes damage to organs (lungs) through prolonged or repeated exposure

#### Hazards pictograms:



**Signal word:** Danger

**Hazard statements:** Causes severe skin burns and eye damage

May cause an allergic skin reaction or corrosion

May cause respiratory irritation

Causes damage to organs (lungs) through prolonged or repeated exposure

May cause cancer

**Precautionary statements:** May cause health risk through primary routes of entry; Eyes, Skin, Ingestion, and Inhalation.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust, fume, gas, mist, spray, vapors.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing must not be allowed out of the workplace.

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Wear eye protection, face protection, protective clothing, protective gloves.

If swallowed: Rinse mouth. Call a poison center or doctor, if not feeling well. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical advice/attention.

If inhaled: Move to fresh air and keep comfortable for breathing.

If exposed or concerned: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if eye irritation persists.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Additional Information:** The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to chemical (caustic) burns, including third degree burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization. Therefore, precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional.

Skin burns and irritation may be caused by brief exposure, though often are caused by extended exposure of 15 minutes, an hour, or longer.

Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise.

Skin contact with Portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling, or cracking of skin.

The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels in Portland cement or repeated exposures over months or years. Sensitization is long lasting, and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon.

Individuals who experience skin problems, including seemingly minor ones, are advised to seek medical attention.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

This is a water-based solution/suspension containing following ingredients

Component	CAS number	Content percentage (%) *
Portland cement	65997-15-1	30–60%
Silica sand	14808-60-7	30–60%
Fly ash	68131-74-8	5–20%
Iron Oxide Pigment		1–10%

\* All concentrations are percent by weight. The ranges represent batch-to-batch variability

### 4. FIRST-AID MEASURES

#### Description of the first-aid measures

**Inhalation:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. In case of unconsciousness, place patient stably in side position for transportation and get medical attention.

**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.

**If on skin:** Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical advice/attention.

**If swallowed:** Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If conscious, have the victim drink plenty of water and call a physician immediately. Never give anything by mouth to an unconscious person. Immediately call a poison center or doctor.

#### Most important symptoms/effects (acute and delayed)

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated inhalation. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

**Eye contact:** Causes serious eye damage. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking, and tear production, with possible redness and swelling.

**Skin contact:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

**Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea, or vomiting.

**Indication of immediate medical attention and special treatment needed**

**Medical advice:** Symptoms may not appear immediately. Immediately seek medical advice/attention in case of accident or if you feel unwell and the symptoms are significant or persist.

**5. FIRE-FIGHTING MEASURES**

**Fire hazards:** Product will not support combustion, however, its packaging may. Products of combustion may include and are not limited to oxides of carbon.

**Suitable extinguishing media:** Treat for surrounding material.

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**Firefighting instructions:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment, and emergency procedures:** Wear personal protective equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid contact with skin and eyes.

**Methods and material for containment and cleaning up:** Prevent entry to sewers and public waters. Vacuum or sweep material and place in a disposal container. Provide ventilation. Minimize generation of dust.

**7. Handling and storage**

**Safe handling:** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of dust. Mechanical ventilation or local exhaust ventilation may be required. The use of an approved respirator and tight-fitting goggles is recommended. Do not mix with other chemical products, except as indicated by the manufacturer. Avoid contact with skin and eyes. Handle and open container with care. Wash hands thoroughly after handling. When using do not eat, drink, or smoke.

**Storage conditions:** Keep out of the reach of children. Store in dust-tight, dry, labelled containers. Keep container tightly closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Prevent exposure to humidity. Do not allow water to contact the product until time of use to preserve product utility.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Controls:** Product contains respirable components with limit values that require monitoring at the workplace. Use ventilation adequate to keep exposures below recommended exposure limits. Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

### Personal protective equipment (PPE)

**Protection of hands and feet:** Wear gloves of adequate length to offer appropriate skin protection from splashes. Wear rubber boots when stepping in concrete.

**Eye protection:** Wear approved eye protection (properly fitted dust- or splash-proof chemical safety glasses) and face protection (face shield).

**Respiratory protection:** An approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded.  
Respirators should be selected by and used under the direction of a trained health and safety professional.

## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

**Physical state:** Solid

**Appearance:** Granular powder

**Color:** Gray

**Odor:** None

**pH:** 12 - 13

**Melting point/freezing point:** Not applicable

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**Boiling point/boiling range:** Not applicable

**Flammability:** No

**Solubility in water:** Insoluble

## 10. STABILITY AND REACTIVITY INFORMATION

**Reactivity:** No dangerous reaction known under conditions of normal use. **Stability:** Material is stable under normal conditions. Keep dry in storage. **Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.

**Conditions/Materials to avoid:** Heat, sparks, and flames. Strong acids. Avoid contact with moisture, product must be kept dry until ready to use. Wet cement is alkaline and incompatible with acid, ammonium salts and aluminum metal.

**Hazardous decomposition products:** May include and are not limited to: oxides of carbon.

## 11. Toxicological Information

**Exposure Routes:** Skin contact, skin adsorption, eye contact, inhalation, or ingestion. **Eye contact:** Direct contact cause serious eye damage. Symptoms may include discomfort or pain, excess blinking, and tear production, with marked redness and swelling of the conjunctiva. **Skin contact:** Direct or prolonged/repeated contact cause skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact. Product becomes extremely alkaline when exposed to moisture and can cause alkali burns and

affect the mucous membranes.

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable silica from this product can cause silicosis.

**Ingestion:** Harmful if swallowed. Ingestion may cause gastric irritation, nausea, diarrhea, and vomiting.

#### **Delayed, immediate and chronic effects of short-term and long-term exposure**

##### **Short Term:**

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Irritation: Causes severe eye damage.

Skin Sensitization: May cause an allergic skin reaction.

STOT - Single Exposure: May cause respiratory irritation.

##### **Long Term:**

Carcinogenicity: May cause cancer through chronic inhalation.

STOT - Repeated Exposure: Causes damage to lungs through prolonged/repeated exposure

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** Acute hazards to the aquatic environment. Harmful to aquatic organisms. May cause long-term adverse effects to the aquatic environment. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

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## **13. DISPOSAL CONSIDERATIONS**

**Disposal methods:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable local, state, provincial, and federal regulations. Avoid release to the environment. Prevent leakage or spillage. Do not contaminate water sources or sewer.

## **14. Transport information**

**Precautions for transport:** Do not handle until all safety precautions have been read and understood. Fully secure the containers on the vehicle or other mode of transport so that they do not move or fall. You should have proper PPE accessible in the event of a spill.

## **15. Regulatory information**

**DSL:** All components of this product are on the Canadian DSL list.

## **16. Other Information**

**Preparation Date:** 05/30/2022

**Version #:** 1.1

**Disclaimer:** For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

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