

Innotech Color Hardener HD

SDS Number:

Revision Date: 2/25/15

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ChromaScape, Inc.
2055 Enterprise Pkwy
Twinsburg, OH 44087

Vendor

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Phone: Chemtrec:1-800-424-9300

Product Name: Innotech Color Hardener HD
Revision Date: 2/25/15
Version: 1.0
CAS Number: Mixture
Chemical Family: Cement Color Hardener
Chemical Formula: Calcium silicate compounds with iron oxides
Synonyms: Color Hardener

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes, skin, inhalation, ingestion

Target Organs: Skin; Eyes; respiratory system; digestive system.

Inhalation: May cause acute irritation and caustic burns to respiratory system. Prolonged contact may result in respiratory diseases including silicosis. Product contains crystalline silica which can cause silicosis in long term exposure. Use respiratory protection during handling of the dry product that results in an abundance of airborne particulate.

Skin Contact: Prolonged repeated contact may cause irritation. Significant long term exposure may result in tissue damage and caustic burns.

Eye Contact: May cause eye irritation. Prolonged repeated contact may cause eye damage and caustic burns.

Ingestion: Prolonged repeated contact may cause irritation. Significant long term exposure may result in tissue damage and caustic burns.

GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:
Environmental, Hazards to the aquatic environment - Acute, 3
Health, Acute toxicity, 5 Inhalation
Health, Acute toxicity, 5 Dermal
Health, Acute toxicity, 5 Oral
Health, Serious Eye Damage/Eye Irritation, 1
Health, Respiratory or skin sensitization, 1 Respiratory

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GHS Phrases:

- H402 - Harmful to aquatic life
- H333 - May be harmful if inhaled
- H313 - May be harmful in contact with skin
- H303 - May be harmful if swallowed
- H318 - Causes serious eye damage
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precautionary Statements:

- P264 - Wash _ thoroughly after handling.
- P352 - Wash with soap and water.

Emergency overview: Immediate or delayed hazard: Exposure of sufficient time to wet Portland cement directly on surface, OR on moist areas of the body to DRY powder cement, can cause serious skin or eye injuries in the form of chemical or caustic burns.

Human Health Hazards: Not to be expected if handled and used properly.

Chronic Health Hazard: Product contains a substance which may have chronic respiratory health hazards including cancer and silicosis. Handle with the proper hazard controls.

GHS classification definitions:

Skin, health hazard code category 3 = possible mild skin irritation and is the lowest category of the hazard class.

Eye health hazard code category 2B = Possible eye irritation and is the lowest category of the hazard class.

Specific target organ toxicity category 3 = possible mild respiratory irritation and is the lowest category of the class.

Note: Under GHS the higher the number the lower the hazard.

The classification approach taken in the GHS (i.e., assigning higher category numbers to denote less serious hazards) is consistent with the approach used in the DOT transport regulations for many years.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Quartz or Silicon Dioxide, Crystalline	14808-60-7	60 -70%
Silicate (Portland Cement)	65977-15-1	30 - 40%
Gypsum	13397-24-5	>1 %
Limestone	1317-65-3	>1 %
Proprietary pigment and additive blend:	4	-10%

4 FIRST AID MEASURES

Inhalation: Remove to fresh air, rinse nose and mouth with plenty of fresh water. If breathing difficulties occur seek immediate medical attention.

Prolonged exposure may cause chronic respiratory disease. This product contains silica which is known to cause chronic silicosis following long term exposure.

Skin Contact: Wash with clean water and pH neutral soap. Do not attempt to neutralize pH with chemicals. Avoid use of caustic soap. Seek medical attention if symptoms persist or worsen.

Eye Contact: Do not rub eyes. Flush with clean water. Remove contact lenses. Seek immediate medical attention.

Ingestion: Drink large amounts of fresh water or milk. Do not induce vomiting. Do not give any water, by mouth, to an unconscious person. Seek medical attention if symptoms persist or worsen.

5 FIRE FIGHTING MEASURES

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Flammability:	Non-flammable
Flash Point:	Non-combustible
Flash Point Method:	N/A
Burning Rate:	N/A
Autoignition Temp:	N/A
LEL:	N/A
UEL:	N/A

The product is not flammable.
Use of CO₂, foam or dry chemical water spray during a fire is recommended.
Use normal fire fighting protective equipment.

6 ACCIDENTAL RELEASE MEASURES

Do not discharge into drains or storm water.
Sweep up solid product.
Avoid generating dust.
Dispose of waste properly.
Not hazardous waste.

7 HANDLING AND STORAGE

Handling Precautions:	Wash thoroughly after handling.
Storage Requirements:	Keep dry. Store in tightly sealed original containers. Prevent damage to containers. Avoid storage in moist areas. Use within 2 year shelf life.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use in well ventilated areas. Control airborne dust particulate and keep dust to a minimum.
Personal Protective Equip:	HMIS PP, E Safety Glasses, Gloves, Dust Respirator
	Use work gloves or rubber gloves. Use safety glasses or goggles. Use NIOSH approved respirator with particulate filtration in compliance with 29 CFR 1910.134 Change and wash clothing.

Portland cement CAS# 65977-15-1: OSHA PEL (8-hour TWA) 15 mg total dust/m³ ; 5 mg respirable dust/m³
ACGIH TLV 1.0 MG/M³ Respirable

Gypsum CAS# 13397-24-5: OSHA PEL (8-hour TWA) 15 mg total dust/m³ ; 5 mg respirable dust/m³
ACGIH TLV 10.0 MG/M³ Respirable

Limestone (CaCO₃) CAS# 1317-65-3: OSHA PEL (8-hour TWA) 15 mg total dust/m³ ; 5 mg respirable dust/m³
ACGIH TLV 10.0 MG/M³ Respirable

Crystalline Silica CAS#14808-60-7 For mineral dusts containing crystalline silica: 10 mg respirable dust/m³ divided
by %SiO₂ +2);
ACGIH TLV 0.025 mg/m³ respirable

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Course grain dry solid powder. Color varies.		
Physical State:	Solid	Odor:	Earthy odor.
Odor Threshold:	Earthen odor	Solubility:	Very slight
Spec Grav./Density:	1.5 - 2.5	Softening Point:	N/A
Viscosity:	N/A	Freezing/Melting Pt.:	NA
Boiling Point:	NA	Flash Point:	N/A
Flammability:	Not flammable	Vapor Density:	N/A
pH:	Caustic 12 - 13 in water.	UFL/LFL:	Not applicable.

10 STABILITY AND REACTIVITY

Stability:	Non - reactive.
Conditions to Avoid:	Avoid contact with water and moisture, except in use.
Materials to Avoid:	Strong acids, ammonium salt and phosphorus.
Hazardous Decomposition:	Adding water creates a caustic solution.
Hazardous Polymerization:	None

11 TOXICOLOGICAL INFORMATION

This product has had no toxicology testing.
Harmful if ingested.

Eye Effects:	May cause eye irritation and burns. Reacts with moisture in the eye and may become caustic
Skin Effects:	May cause skin irritation and burns if wet. May react with moisture on skin and become caustic
Acute Inhalation Effects:	May cause acute respiratory irritation.
Chronic Effects:	Contains low levels of crystalline silica connected with silicosis and chronic respiratory disease with chronic excessive exposure. Handle with proper respiratory protection.
Carcinogenicity:	One or more components may cause cancer.
Mutagenicity:	Not Known.
Teratogenicity:	Not Known.

IARC:
Portland cement may contain crystalline silica which is classified by the IARC as a known carcinogen. Some studies indicate potential for lung cancer or lung injury including silicosis.

OSHA:
Crystalline silica (quartz) is not regulated as a human carcinogen but as a toxic and hazardous substance by OSHA.

12 ECOLOGICAL INFORMATION

Ecological testing has not been performed on this product.
Dispose of contents and container properly.
Prevent contact with waterways and storm drains.

Acute and prolonged toxicity to fish: Unspecified

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Toxicity to microorganisms: Unspecified

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area, and final rinsing should be absorbed or vacuumed and disposed of in accordance with regulations.

Container disposal:

Dispose of at an approved landfill in accordance with local, state, federal and national regulations

14 TRANSPORT INFORMATION

UN #: Not classified

Land transportation:

Not regulated

Sea transportation:

IMDG: Not regulated

Air transportation:

IATA/ICAO: Not regulated

15 REGULATORY INFORMATION

Regulatory information:

OSHA hazard category: Crystalline silica (quartz) is not regulated as a human carcinogen but as a toxic and hazardous substance.

RCRA This mixture and or its contents are not a hazardous waste if disposal is required

CERCLA Components of this mixture are not CERCLA hazardous substances.

CONEG This mixture and or its contents meet the CONEG limits for the sum of the levels of Lead, Cadmium, Mercury, and Hexavalent Chromium of less than 100 PPM by weight.

RoHS Product does not contain RoHS restricted substances.

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ODC This mixture does not contain any Ozone Depleting Compounds.

TOX This mixture does not contain any Organic Halogens (EPA 9020)

CAA of 1990

This mixture is not made with nor does it contain any Class 1 or Class 2 ozone depleting substances as defined under the 1990 amendments to the act.

SARA (302)

This mixture does not contain any constituents that are identified as extremely hazardous.SARA (302)

SARA (311/312)

Portland cement qualifies as a hazardous substance with delayed health effects. Portland cement may contain crystalline silica which is classified by the IARC as a known carcinogen. Some studies indicate potential for lung cancer or lung injury including silicosis. Reportable in quantities over 10,000 lbs.

CA Prop 65

This product contains a chemical(s) known to the state of California to cause cancer and/or birth defects or other reproductive harm. Pursuant to the California Safe Drinking Water and Toxic Enforcement Act of 1986, we are required to provide the above warning in the absence of definitive testing showing that risks from long-term exposure to chemicals present in our formulations do not exist. To the best of our knowledge, this product complies with all Federal and State laws and regulations governing its manufacturing, distribution, and intended use.

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OTHER INFORMATION

The information on this SDS is provided in good faith in the interest of product safety and believed to be accurate to the best of our knowledge. However, ChromaScape makes no guarantee and assumes no liability for the data contained. Users should conduct their own research regarding suitability for their purposes. Nothing contained in this SDS should be misconstrued as permission to violate any regulation. End users should follow all local, state, national and international regulations as apply.