

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Color Hardener
SYNONYMS: CH
PRODUCT CODES:

MANUFACTURER: Absolute Concrete Products
DIVISION:
ADDRESS: 144 S. Main St. Union, OR 97883

EMERGENCY PHONE: 1-800-535-5053 (24 Hour)
INFOTRAC PHONE: +1-352-323-3500 or 1-800-535-5053
OTHER CALLS: (541) 562-2000

SECTION 2: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION:

Overexposure to dust can cause chronic lung injury. Acute silicosis may develop in a short time with heavy exposure. Silicosis can be progressive and may cause death.

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS:

Specific target organ toxicity (repeated exposure) - Category 2

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CARCINOGENICITY

OSHA: Category 1A
ACGIH:
NTP:
IARC:

OTHER:

May cause cancer
May cause damage to organs through prolonged or repeated exposure
Corrosive

SECTION 3 NOTES:

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Do not breathe dust/fume/gas/mist/vapors/spray

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<u>NAME</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>Trade Secret</u>
Quartz	14808-60-7	35 – 70	*
Portland Cement	65997-15-1	20 – 40	*
Yellow Iron Oxide	51274-00-1	1 – 5	*
Titanium Dioxide	13463-67-7	1 – 5	*
Red Iron Oxide	1309-37-1	1 – 5	*
Black Iron Oxide	1317-61-9	1 – 5	*

SECTION 2 NOTES:

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

SKIN:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

INGESTION:

Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Call a physician immediately.

INHALATION:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Treat symptomatically.

SECTION 4 NOTES:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safetydata sheet if possible).

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Caution: Use of water spray when fighting fire may be inefficient.

SPECIAL FIRE FIGHTING PROCEDURES:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Sensitivity to Mechanical Impact - None.
Sensitivity to Static Discharge - None.

HAZARDOUS DECOMPOSITION PRODUCTS:

No information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Personal precautions: Ensure adequate ventilation, especially in confined areas.

Environmental precautions: See Section 12 for additional ecological information.

Methods for containment: Vacuum or sweep up material and place in a designated labeled waste container.

Methods for cleaning up: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

Store locked up.

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Keep containers tightly closed in a dry, cool and well-ventilated place.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Showers
Eyewash stations
Ventilation systems

VENTILATION:

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

RESPIRATORY PROTECTION:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

EYE PROTECTION:

Wear safety glasses with side shields (or goggles).

SKIN PROTECTION:

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Wear protective gloves and protective clothing.

WORK HYGIENIC PRACTICES:

Handle in accordance with good industrial hygiene and safety practice.

EXPOSURE GUIDELINES:

If exposed or concerned: Get medical advice/attention

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
SILICA 14808-60-7	TWA: 0.025 mg/m3 respirable fraction	(vacated) TWA: 0.1 mg/m3 respirable dust : (30)/(%SiO2 + 2) mg/m3 TWA total dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m3 TWA respirable fraction	IDLH: 50 mg/m3 respirable dust TWA: 0.05 mg/m3 respirable dust
Portland Cement 65997-15-1	TWA: 1 mg/m3 particulate matter containing no asbestos and <1% crystalline silica, respirable fraction TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction	TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction (vacated) TWA: 10 mg/m3 total dust (vacated) TWA: 5 mg/m3 respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m3 TWA: 10 mg/m3 total dust TWA: 5 mg/m3 respirable dust
Titanium Dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3
Red Iron Oxide 1309-37-1	TWA: 5 mg/m3 respirable fraction	TWA: 10 mg/m3 fume TWA: 15 mg/m3 total dust TWA: 5 mg/m3 respirable fraction (vacated) TWA: 10 mg/m3 fume and total dust Iron oxide (vacated) TWA: 5 mg/m3 respirable fraction regulated under Rouge	IDLH: 2500 mg/m3 Fe dust and fume TWA: 5 mg/m3 Fe dust and fume

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colored Powder

ODOR: No information available

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

PHYSICAL STATE: Powder

pH AS SUPPLIED: No information available

BOILING POINT: No information available

MELTING POINT: No information available

FREEZING POINT: No information available

VAPOR PRESSURE (mmHg): No information available

VAPOR DENSITY (AIR = 1): No information available

SPECIFIC GRAVITY (H2O = 1): No information available

EVAPORATION RATE: No information available

SOLUBILITY IN WATER: No information available

PERCENT SOLIDS BY WEIGHT: No information available

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable under recommended storage conditions.

CONDITIONS TO AVOID (STABILITY):

Extremes of temperature and direct sunlight.

INCOMPATIBILITY (MATERIAL TO AVOID):

None known based on information supplied.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

None under normal processing.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Information on likely routes of exposure

Product Information No data available.

Inhalation No data available.

Eye contact No data available.

Skin Contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
SILICA 14808-60-7	= 500 mg/kg (Rat)	-	-
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Red Iron Oxide 1309-37-1	> 10000 mg/kg (Rat)	-	-
Black Iron Oxide 1317-61-9	> 10000 mg/kg (Rat)	-	-

Chemical Name	ACGIH	IARC	NTP	OSHA
SILICA 14808-60-7	A2	Group 1	Known	X
Titanium Dioxide 13463-67-7	-	Group 2B	-	X

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

Red Iron Oxide 1309-37-1	-	Group 3	-	-
-----------------------------	---	---------	---	---

SECTION 11 NOTES:

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 5119 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

SECTION 12 NOTES:

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose of contents/container to an approved waste disposal plant.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

SECTION 14 NOTES:

DOT: Not Regulated.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Does not comply
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

No information available

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

No information available

311/312 HAZARD CATEGORIES:

Acute health hazard	No
Chronic Health Hazard	No

MATERIAL SAFETY DATA SHEET

Color Hardener

FILE NO.:
MSDS DATE: 09/05/2024

Fire hazard No
Sudden release of pressure hazard No
Reactive Hazard No

313 REPORTABLE INGREDIENTS:

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

STATE REGULATIONS:

California Proposition 65

Chemical Name	California Proposition 65
SILICA - 14808-60-7	Carcinogen
Titanium Dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
SILICA 14808-60-7	X	X	X
Portland Cement 65997-15-1	X	X	X
Titanium Dioxide 13463-67-7	X	X	X
Red Iron Oxide 1309-37-1	X	X	X

INTERNATIONAL REGULATIONS:

No information available.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

NFPA

Reactivity 0
Physical and Chemical Properties HMIS
Health Hazards 0
Flammability 0
Physical Hazards 0
Personal Protection X

PREPARATION INFORMATION:

Issue Date September 1, 2015
Revision Date September 4, 2024

DISCLAIMER:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.