

CRETE COLORS INTERNATIONAL, LLC

MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

MANUFACTURER/SUPPLIER: Crete Colors International, LLC
112 S Kyrene Road, Suite 2
Chandler, AZ 85226

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire Exposure or Accident
CALL INFOTRAC – Day or Night:
Outside the United States Call Collect:

785/865-4200
800/535-5053

PRODUCT TRADE NAME: C² ColorHard - All Colors

II HAZARDOUS INGREDIENTS

Product Color	1,2,3-Propanetriol CAS # 56-81-5	Alpha-hexadecyl-omega-hydroxy-poly (oxy-1,2-ethanediyl) CAS # 9004-95-9	+ Carbon Black CAS # 1333-86-4	Dispersant CAS # Proprietary	Ethoxylated ether phosphate CAS # Proprietary	Ethylene Glycol CAS # 107-21-1	Glycerine CAS # Proprietary	Iron Oxide (Red) CAS # 1309-37-1	**Titanium Dioxide CAS # 13463-67-7
Amber *						X		X	
Black *			X	X					
Blue Stone *			X	X					
Bronze *			X			X		X	
Brown Stone *			X			X		X	
Caribbean Blue				X			X		
Concrete Gray *			X			X			X
Copper Patina				X	X		X		
Desert Sand *			X			X			
Emerald				X	X				
Espresso *			X			X		X	
Georgia Clay *						X		X	
Graphite *			X			X			
Light Roast *			X			X		X	
Mocha *			X			X		X	X
Painted Desert	X	X		X					
Red Rock *	X	X	X	X					
Rose Quartz	X	X							
Serpentine *			X	X	X				
Welsh Slate *			X	X					
White *						X			X

* Indicates the product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

+ Carbon Black is listed as an IARC Possible Human Carcinogen (Group 2B). Carbon black is listed due to potential respiratory effects of airborne particulates. This is not expected to be a relevant route of exposure during typical product use.

** Titanium Dioxide is listed as an IARC Possible Human Carcinogen (Group 2B). Titanium dioxide is listed due to potential respiratory effects of airborne particulates. This is not expected to be a relevant route of exposure during typical product use.

III PHYSICAL DATA/ EXPOSURE LIMITS

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air=1)	EVAPORATION RATE (Butyl Acetate = 1)	ACGIH TVV/TWA	OSHA PEL/TWA
1,2,3-Propanetriol	ND	ND	ND	ND	NE	NE
Alpha-hexadecyl-omega-hydroxy-poly (oxy-1,2-ethanediyl)	ND	ND	ND	ND	NE	NE
Carbon Black	ND	ND	ND	ND	3.5 mg/m3	3.5 mg/m3
Dispersant	ND	ND	ND	ND	NE	NE
Ethoxylated ether phosphate	ND	ND	ND	ND	NE	NE
Ethylene Glycol	197.6C (388F)	0.06 @ 20C (68F)	2.14	ND	100 mg/m3 Ceiling (aerosol only)	NE
Glycerine	ND	ND	ND	ND	NE	NE
Iron Oxide (Red)	ND	ND	>1	ND	NE	NE
Titanium Dioxide	NA	NA	NA	NA	10 mg/m ³ , total	15 mg/m ³ , total
		SPECIFIC GRAVITY	SOLUBILITY IN WATER	APPEARANCE AND ODOR		
C ² ColorHard		1.93 - 2.04	Insoluble	liquid, slight odor		

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

C² ColorHard is liquid with a slight odor and comes in various colors. May cause irritation to eyes. May be harmful if swallowed. This MSDS is based on the product concentrate as supplied.

FLASH POINT (METHOD): >200°F (ASTM 3278)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Carbon Dioxide, dry powder, and/or chemical foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against toxic and irritating fumes and smoke inhalation.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No known unusual hazards in a fire/explosion situation.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Eyes, ingestion, and inhalation.

CARCINOGEN INFORMATION: See + Section II.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No medical conditions affected by overexposure.

EFFECTS OF OVEREXPOSURE: Mild irritant.

For those colors that contain Carbon Black, continuous exposure above the permissible exposure limit can cause effects on the lung function and lung changes such as interstitial fibrosis. This is not expected to be relevant during typical product use. Prolonged skin contact can cause skin discoloration and may cause skin lesions and/or blackheads. Eye contact may cause eye irritation due to mechanical abrasion.

EYE CONTACT: Mild irritant. Effects are temporary and reversible. May cause irritation, redness, blurred vision and tearing

SKIN CONTACT: Not expected to be irritating from limited, single contact. Repeated skin contact may result in the development of an allergic skin reaction in a limited number of individuals.

INHALATION: Mild irritant. Effects are temporary and reversible. Vapor and mist can cause headache, nausea, and irritation of nose, throat, and lungs. Use in well-ventilated area and avoid breathing vapors.

INGESTION: May be harmful if swallowed. Ingestion may cause nausea, vomiting, diarrhea and gastrointestinal irritation. Consult a physician

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with water for at least 20 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

SKIN CONTACT: Wash area with soap and water. Get medical attention if irritation develops or persists.

INHALATION: If breathing is difficult, remove person to fresh air and give artificial respiration. Call a physician or transport to a medical facility if cough or other symptoms develop.

INGESTION: DO NOT INDUCE VOMITING. Immediately give 2 glasses of water. Contact a physician.

VI REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Protect from freezing.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing materials. Materials that react with water. Avoid strong acids and alkalines

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Hazardous polymerization will not occur.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Cover with absorbent material. Collect spilled material.

WASTE DISPOSAL METHODS: Do not dump into any sewers, on the ground, or into any body of water. This product is not classified as a hazardous waste under USEPA regulations. However, regulations do prohibit disposal of any liquid waste in a sanitary landfill. Solidification/stabilization may render the product suitable for disposal in a sanitary landfill. Dispose of in a manner approved for this material or in an approved hazardous waste facility. Consult appropriate federal, state, and local regulatory agencies to ascertain proper disposal procedures. Completely drain container before disposing in a sanitary landfill.

III SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

VENTILATION: Provide adequate ventilation when using inside.

PROTECTIVE CLOTHING: Wear protective clothing such as long sleeved work shirt and pants, work boots, and rubber gloves as needed to avoid prolonged skin contact. Do not allow clothing to become saturated with product. If work practices cannot be adjusted to avoid excess clothing saturation, splash resistant or Tyvek clothing and boots may be required.

PROTECTIVE GLOVES: Nitrile rubber, neoprene rubber, natural rubber, or PVC as needed to avoid skin contact.

EYE PROTECTION: Safety glasses with side shields are recommended.

OTHER PROTECTIVE EQUIPMENT: Access to an eyewash is recommended. Provide clean water for washing skin.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers and passersby. Avoid atomizing during application. See the Product Data sheet and label for specific precautions to be taken during use. Smoking, eating and drinking should be discouraged during the use of this, or any, chemical product. Wash hands before breaks and at the end of a shift.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Wear appropriate safety equipment and clothing. Avoid contact with eyes, skin, and clothing. Do not touch face with hands or gloves that may be contaminated with this product. Do not take internally. Avoid breathing mist.

Store in a cool, dry, well-ventilated place. Keep containers tightly closed when not dispensing product. Treat empty containers as if they were full.

X REGULATORY INFORMATION

SHIPPING: This product is classified as non-hazardous in all shipping modes. This product is not regulated in domestic or international shipment.

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
Ethylene Glycol	107-21-1	10%

XI OTHER

MSDS Status: **Date of Revision:** June 30, 2011
For Product Manufactured After: October 1, 2009
Changes: Updated Section I contact information and Section X shipping information
Item #: All ColorHard Colors,
Approved By: Regulatory Department

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **Crete Colors International, LLC expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described.** This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

DATE OF PREPARATION: June 30, 2011