

# Material Safety Data Sheet

Ceracolors

Version No. 1.0

March 3, 2014



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Ceracolors water-soluble wax paint and mediums  
**Brand:** Ceracolors  
**Product Codes:** 860-xxxx, 560-10xx, 560-21xx, 560-41xx  
**Product Use:** Painting surfaces with application by brush

**Manufacturer:** Natural Pigments LLC  
**Address:** 291 Shell Lane, Willits, CA 95490  
**U.S./Canada Phone:** 1-888-361-5900 **International Phone:** +1-707-459-9998  
**Fax:** +1-408-516-9442

**Prepared By:** Natural Pigments  
**Date Prepared:** March 3, 2014

Product Category	Product	Product Code	Hazardous Components (See Section 2)
<b>Ceracolors Water-Soluble Wax Paint</b>			
<b>Individual Colors:</b>	Ultramarine Blue	860-101x	
	Cobalt Blue	860-105x	11
	Cerulean Blue	860-107x	9,11
	Phthalocyanine Blue	860-111x	7
	Maya Blue	860-121x	
	Chromium Green Medium	860-201x	10
	Phthalocyanine Green	860-205x	7
	Yellow Ocher	860-301x	
	Mars Yellow	860-305x	
	Cadmium Yellow Light	860-311x	6
	Cadmium Yellow Medium	860-312x	6
	Cadmium Yellow Deep	860-313x	6
	Chromium Rutile Yellow	860-321x	4,9
	Bismuth Vanadate Yellow	860-323x	
	Diarylide Yellow	860-331x	
	Mars Orange	860-401x	
	Cadmium Orange	860-412x	5
	Mars Red (Yellow Shade)	860-505x	
	Mars Red (Blue Shade)	860-506x	
	Mars Crimson	860-507x	
	Cadmium Red Light	860-511x	5
	Cadmium Red Medium	860-512x	5
	Cadmium Red Deep	860-513x	5
	Alizarin Crimson	860-531x	7
	Quinacridone Magenta	860-532x	
	Quinacridone Violet	860-533x	
	Pyrrole Red	860-534x	
	Anthraquinone Crimson	860-535x	
	Raw Sienna	860-601x	12
	Burnt Sienna	860-602x	12
	Raw Umber	860-611x	12
	Burnt Umber	860-612x	12
	Mars Violet	860-701x	
	Ultramarine Violet	860-711x	
Titanium White	860-801x	1,2,3,7,14	
Titanium-Zinc White	860-802x	1,2,3,14,15	
Warm White	860-803x	1,2,3,7,14,15	
Zinc White	860-805x	15	
Bone Black	860-901x	7	
Carbon Black	860-902x	7,8	
Mars Black	860-903x		

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**Ceracolors Mediums:** Fluid Medium 560-10xx  
Gel 560-21xx  
Retarder Additive 560-41xx 13

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Code	Hazardous Ingredients	Max. % Wt.	CAS Number	OSHA Permissible Exposure Limits (PEL)		
				TWA	STEL	Ceiling
1	Aluminum Hydroxide (Al(OH) <sub>3</sub> )	5	21645-51-2	NE		
2	Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	1	1344-28-1	15 mg/m <sup>3</sup> total		
3	Amorphous Silica (SiO <sub>2</sub> )	5	112926-00-8	80 mg/m <sup>3</sup>		
4	Antimony Compounds (as Sb)	5	7440-36-0	0.05 mg/m <sup>3</sup>		
5	Cadmium Sulfo-Selenide (as Cd)	25	58339-34-7	0.005 mg/m <sup>3</sup>		
6	Cadmium Zinc Sulfide (as Cd)	25	8048-07-5	0.02 mg/m <sup>3</sup>		
7	Calcined Kaolin (Al <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> )	13	92704-41-1	15 mg/m <sup>3</sup> total		
8	Carbon Black (amorphous)	20	1333-86-4	3.5 mg/m <sup>3</sup>		
9	Chromium Compounds (as Cr)	5	7440-47-3	0.05 mg/m <sup>3</sup>		
10	Chromium (VI) Compounds (as Cr <sup>+6</sup> )	25	Various	0.005 mg/m <sup>3</sup>		
11	Cobalt Compounds (as Co)	18	7440-48-4	0.1 mg/m <sup>3</sup>		
12	Manganese Compounds (as Mn)	5	7439-96-5	NE		
13	Propylene Glycol (C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> )	50	57-55-6	NE		
14	Titanium Dioxide (TiO <sub>2</sub> )	25	13463-67-7	15 mg/M <sup>3</sup> total		
15	Zinc Sulfide (ZnS)	15	1314-98-3	NE		

**TWA** = Time Weighted Average (average airborne exposure in 8 hour work shift work week)

**STEL** = Short Term Exposure Limit (15 minute time weighted average exposure)

**Ceiling** = Exposure not to be exceeded during any part of the work day

**NE** = Not Established

**mg/m<sup>3</sup>** = Approximate milligrams of substance per cubic meter of air

**ppm** = Parts per million

### SECTION 3: HAZARDS IDENTIFICATION

**Eye:** Contact may be slightly irritating to eyes.

**Skin:** Prolonged or repeated contact may be irritating to skin.

**Ingestion:** May cause irritation to gastrointestinal system.

**Inhalation:** None expected under normal conditions of use. Overexposure to dusts and mists from sanding and spraying may be irritating to the respiratory tract. Chronic exposure to dusts and mists may cause pulmonary diseases.

**Medical Conditions Generally Aggravated By Exposure:** Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure.

#### Additional Hazards Associated With Specified Pigments or their Components Identified In Section 3:

**Cadmium Compounds:** Cadmium compounds are classified by IARC as probably carcinogenic in humans. OSHA also classifies such compounds as causing lung and kidney disease. WARNING: DO NOT SPRAY APPLY. This product contains a chemical known to the State of California to cause cancer by means of inhalation.

**Carbon Black:** IARC classification as Group 2B, possibly carcinogenic to humans. WARNING: This product contains a chemical known to the State of California to cause cancer. (Applies to airborne particles of respirable size only.)

**Chromium Compounds:** Long term inhalation exposure to trivalent chromium compounds may cause damage to the lungs and respiratory tract. While chromium and some of its compounds are considered carcinogenic, both in animals and humans, evidence of chromium (III) compound carcinogenicity is inconclusive.

**Cobalt Compounds:** Individuals hypersensitive to cobalt may develop asthma, bronchitis, or shortness of breath. May cause skin sensitization. WARNING: This product contains a chemical known to the State of California to cause cancer.

**Crystalline Silica:** Considered a carcinogen through inhalation overexposure. Also a known cause of silicosis, a noncancerous lung disease. **WARNING:** This product contains a chemical known to the State of California to cause cancer. (Applies to airborne particles of respirable size only.)

**Manganese:** Overexposure may affect the central nervous system and lungs, resulting in transitory psychosis, tiredness, weakness and pneumonitis. May aggravate preexisting neuralgic conditions.

**Titanium Dioxide:** Listed by IARC under category 2B, possibly carcinogenic to humans. **WARNING:** This product contains a chemical known to the State of California to cause cancer.

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#### **SECTION 4: FIRST AID MEASURES**

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**If inhaled:**

Move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms persist.

**In case of eye contact:**

Flush eyes gently with water while holding eyelids apart. Consult a physician if symptoms persist.

**In case of skin contact:**

Wash off with soap and plenty of water. Consult a physician if symptoms persist.

**If swallowed:**

Dilute by giving two or more glasses of water to drink. Never give anything by mouth to an unconscious person. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting.

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#### **SECTION 5: FIRE-FIGHTING MEASURES**

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**Flashpoint:** None

**Explosive Limit:** No data available

**Autoignition Temperature:** No data available

**Extinguishing Media:**

Use regular foam, carbon dioxide and dry chemical.

**Hazardous Combustion Products:**

Hazardous decomposition products may be formed under fire conditions: Carbon dioxide, carbon monoxide, and various hydrocarbons.

**Fire Fighting Instructions:**

Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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Recover all spilled material for use or proper disposal. Clean residue with wet mopping.

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#### **SECTION 7: HANDLING AND STORAGE**

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**Storage:**

For best product stability, avoid freezing and higher than normal ambient temperatures.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Eye Protection:**

None required under normal use. Avoid splashing into eyes and avoid mists and dusts from spraying and sanding.

**Skin Protection:**

None required under normal use. For techniques requiring continual skin exposure, gloves are recommended.

**Respiratory Protection:**

None required under normal use. When sanding or spraying, use a NIOSH-approved P100 dust and mist respirator.

**Ventilation:**

General dilution ventilation is recommended at a level sufficient to keep individuals asymptomatic to inhalation exposure. Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

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## Work Hygienic Guidelines:

All Ceracolors products should be used in accordance with safe handling practices, including do not eat, drink or smoke when working with materials, avoid excessive skin contact, wash after working with materials.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance:

**Physical State:** Paste or gel

**Color:** Varies

**Odor:** Beeswax

### Properties:

**Specific Gravity (Water=1):** 1.0–2.0

**Boiling Point:** >100° C (212° F)

**Vapor Density:** Heavier than air

**Volatile Organic Compounds (VOC):** None

**pH:** 9.0–10.5

**Solubility In Water:** Miscible

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## SECTION 10: STABILITY AND REACTIVITY

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### Stability:

Stable.

### Hazardous Decomposition:

Ultramarine blue and ultramarine violet may react with acids to form flammable and toxic hydrogen sulfide. Acid decomposition of cadmium pigments may yield hydrogen sulfide, selenide gases and toxic cadmium salts in solution. If cadmiums are heated to above 800° C, decomposition to toxic fumes of cadmium oxide, zinc oxide, sulfur dioxide and selenium dioxide will occur.

### Incompatibility:

Avoid contact with excessive heat, strong oxidizing agents.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### Acute Toxicity:

**Oral LD50:** >5000 mg/kg—rat

**Dermal LD50:** >5000 mg/kg—rabbit

### Skin Irritation:

Minimal

### Eye Irritation:

Minimal

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## SECTION 12: ECOLOGICAL INFORMATION

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### Toxicity:

No data available

### Persistence and Degradability:

No data available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### Waste Disposal:

Dispose as per local regulations. It is best to use all material, rather than dispose of it. If necessary, dispose of as latex paint. Cadmium and cobalt pigmented paints should be handled as hazardous wastes.

### Contaminated Packaging:

Dispose as per local regulations.

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**SECTION 14: TRANSPORT INFORMATION**

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Not hazardous for shipping via any mode of shipment.

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**SECTION 15: REGULATORY INFORMATION**

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**Consumer Product Labeling:**

Products are labeled in compliance with with 67/548/EEC (EU), FHSA/LHAMA (USA), CCCR (Canada).

**California Proposition 65:**

Some products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. See Section 3 for products labeled according to California Proposition 65.

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**SECTION 16: OTHER INFORMATION**

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**Disclaimer:**

Natural Pigments LLC believes that the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.