

Material Safety Data Sheet

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Section I - Chemical Product And Company Identification

Product Name: Desert Crete Color Concentrate

CAS Number: N/A

HBCC MSDS No. CD01820



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Section II - Composition/Information On Ingredients

Desert Crete Color Concentrates and their Ingredients

(see information on each ingredient in second chart below)

#200 Light Grey	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Kaolin Crystalline Silica Manganese Oxide Aluminum Oxide
#210 Grey	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Kaolin Pigment Crystalline Silica Manganese Oxide Aluminum Oxide Carbon Black
#220 Canyon Tan	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Carbon Black Kaolin
#240 Light Brown	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Carbon Black Kaolin
#250 Brown	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Carbon Black Kaolin
#260 Orange	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate
#270 Red	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Carbon Black Kaolin
#280 Yellow	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Titanium Dioxide Kaolin Aluminum Hydroxide Amorphous Silica
#300 Beige	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc,

	Magnesium Silicate Hydrate
#310 Sand	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Kaolin Pigment Aluminum Hydroxide Amorphous Silica
#320 Apache	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate
#340 Mandarin	Ethylene Glycol Diethylene Glycol Iron Oxide Surfactant Talc, Magnesium Silicate Hydrate Kaolin

		Exposure Limits (TWAs) in Air		
<u>Chemical Name</u>	<u>CAS Number</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>STEL</u>
Ethylene Glycol	107-21-1	100 mg/m ³	N/A	N/A
Diethylene Glycol	111-46-6	N/A	N/A	N/A
Iron Oxide	1332-37-2	5 mg/m ³	10 mg/m ³	N/A
Surfactant	N/A	N/A	N/A	N/A
Talc, Magnesium Silicate Hydrate	14807-96-6	2 mg/m ³	N/A	N/A
Kaolin	1332-58-7	2 mg/m ³	5 mg/m ³	N/A
Pigment	N/A	N/A	N/A	N/A
Aluminum Hydroxide	21645-51-2	N/A	N/A	N/A
Amorphous Silica	7631-86-9	N/A	N/A	N/A
Titanium Dioxide	13463-67-7	10 mg/m ³	15 mg/m ³	N/A
Carbon Black	1333-86-4	3.5 mg/m ³	N/A	N/A
Crystalline Silica	14808-60-7	N/A	N/A	N/A
Manganese Oxide	1313-13-9	0.2 mg/m ³	5 mg/m ³	N/A
Aluminum Oxide	1344-28-1	10 mg/m ³	15 mg/m ³	N/A

Section III - Hazard Identification

Routes of Exposure: Eyes, skin and ingestion

Summary of Acute Health Hazards

Ingestion: Mildly Toxic. May be harmful if swallowed. Ethylene Glycol may cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness. Irritability, and central nervous system effects. Swallowing large volumes of ethylene glycol causes severe kidney damage and cardiopulmonary effects (metabolic acidosis) which may be fatal.

Inhalation: N/A

Skin: May cause skin irritation.

Eyes: May cause tearing, reddening and/or swelling.

Summary of Chronic Health Hazards: N/A

Signs and Symptoms of Exposure: N/A

Effects of Overexposure: N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: If swallowed, **Do Not Induce Vomiting**. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation: Remove to fresh air. If not breathing, give CPR, if qualified to do so. If breathing is difficult, give oxygen. GET IMMEDIATE MEDICAL ATTENTION.

Skin: Flush skin with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops or persists.

Eyes: In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops or persists.

Section V - Fire Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Unusual Fire and Explosion Hazards: Burning will produce hazardous compounds.

Extinguishing Media: In case of fire, use water (flood with water), dry chemical, CO₂ or "alcohol" foam.

Special Firefighting Procedures: As in fire wear self-contained breathing positive pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

Section VI - Accidental Release Measures

Ventilate area. Absorb spill with inert material and place in a chemical waster container. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate lakes, streams, ponds, groundwater or soil.

Section VII - Handling and Storage

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling. Store in a cool, dry place. Keep container closed when not in use.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: N/A

Ventilation: Use adequate ventilation

Protective Clothing: Use impermeable gloves to minimize skin contact.

Eye Protection: Use chemical splash goggles.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Wash hands thoroughly with soap and water before eating, drinking, smoking and using toilet facilities.

Section IX - Physical and Chemical Properties

Physical State: Liquid
Melting Point/Range: N/A
Appearance/Color/Odor: Colored liquid, no odor
Solubility in Water: N/A
Vapor Density(Air=1): N/A
How to detect this compound : N/A

Molecular Weight: N/A
Boiling Point/Range: N/A
Vapor Pressure(mmHg): N/A
% Volatiles: N/A

Desert Crete Color Concentrates	Specific Gravity(Water=1):	pH:
#200 Light Grey	1.046	8.5
#210 Grey	1.336	8.6
#220 Canyon Tan	1.043	8.3
#240 Light Brown	1.269	8.5
#250 Brown	1.510	8.5
#260 Orange	1.863	8.4
#270 Red	1.645	8.4
#280 Yellow	1.809	8.4
#300 Beige	1.035	8.0
#310 Sand	1.754	8.4
#320 Apache	1.863	8.4
#340 Mandarin	1.864	8.21

Section X - Stability and Reactivity

Stability: Stable
Conditions to Avoid: N/A
Materials to Avoid: Oxidizing materials, strong acids
Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Dispose of in accordance with all local, state, provincial and federal laws and regulations

Section XIV - Transport Information

DOT Proper Shipping Name: Paint
DOT Hazard Class/ I.D. No.: 3, UN1263, II

Section XV - Regulatory Information

Desert Crete Color Concentrate #210 Grey, #220 Canyon Tan, #240 Light Brown, #250 Brown, and #270 Red have the following warning:

WARNING

This product contains Carbon Black, a chemical known to the State of California to cause cancer.

Desert Crete Color Concentrate #200 Light Grey, and #210 Grey have the following warning:

WARNING

This product contains Crystalline Silica. Crystalline Silica is a substance known to the State of California to cause cancer.

Reportable Quantity: N/A

NFPA Rating: Health - 2; Fire - 1; Reactivity - 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Carcinogenicity Lists: No **NTP:** No **IARC Monograph:** No **OSHA Regulated:** Yes

The Hazard Communication Standard, 29 CFR 1910.1200, has established Titanium Dioxide is a potential carcinogen to rats. The information is based on NIOSH's interpretation of a study done by Lee, Trochimowicz, Reinhardt [1985], "Pulmonary Response of Rats Exposed to Titanium Dioxide (TiO₂) by Inhalation for Two Years." The authors of this study concluded that based on the excessive dust loading and overwhelmed clearance mechanism in the lungs of rats exposed chronically at 250 mg/m³ (6 hrs/day, 5 days/week for 2 years), the biological relevance of lung tumors to man appears to be negligible.

Section 313 Supplier Notification: This product contains the following toxic chemical subject to the reporting requirements of SARA TITLE III Section 313 of the Emergency Planning and Community Right-To Know Act of 1986 and of 40 CFR 372:

CAS# 107-21-1; **Chemical Name** Ethylene Glycol

Desert Crete Color Concentrates	% By Weight
#200 Light Grey	< 5%
#210 Grey Also contains < 0.5% Manganese Dioxide	< 20%
#220 Canyon Tan	< 4%
#240 Light Brown	< 10%
#250 Brown	10-30%
#260 Orange	< 30%

#270 Red	< 17%
#280 Yellow	30-40%
#300 Beige	< 2%
#310 Sand	20-25%
#320 Apache	< 20%
#340 Mandarin	< 4%

Section XVI - Other Information

Synonyms/Common Names: Pigment Dispersion

Chemical Family/Type: Aqueous Colorant

Section changed since last revision: XIV

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable.

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