



Distributed by:  
 Laguna Clay Company  
 14400 Lomitas Ave  
 City of Industry, CA 91746  
 1-800-4Laguna  
 info@lagunaclay.com  
 www.lagunaclay.com



Ferro Corporation  
 Performance Pigments & Colors  
 251 West Wylie Ave.  
 Washington, PA 15301 USA

**Emergency telephone number**

CHEMTREC: 1-800-424-9300  
 CHEMTREC (outside U.S.): 1-703-527-3887  
 Phone Number: 1-724-223-5900

**MATERIAL SAFETY DATA SHEET**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Name:** C-620EZ TEAL 100 LB **Date of Preparation:** 12/20/2011  
**Chemical Family:** LDRUM  
**CAS-No.:** Inorganic Pigment  
**Product Code:** Mixture  
 1026613

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Warning**

May cause respiratory tract, eye and skin irritation. May cause allergic skin or respiratory reaction. May be harmful by inhalation. Avoid dust formation. May cause physical irritation.

		<b>HMIS</b>	<b>NFPA 704</b>
<b>Color:</b>	Green	2*	2
<b>Physical state:</b>	Powder	0	0
<b>Odor:</b>	Odorless	0	0
		E	

**Potential Health Effects**

**Principle routes of exposure:** Inhalation, ingestion, skin and eye contact.

**Eye contact:** May cause slight irritation.

**Skin contact:** Prolonged skin contact may cause skin irritation and/or dermatitis. May cause allergic skin reaction.

**Inhalation:** May cause irritation of respiratory tract. May be harmful by inhalation. May cause severe allergic respiratory reaction.

**Ingestion:** May irritate digestive tract.

**Chronic toxicity:** No known effects under normal conditions of use. Excessive inhalation of dust may cause chemical pneumonitis, cyanosis, and pulmonary edema. Suspect cancer hazard (cobalt compound). Chronic inhalation exposure can cause lung damage.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Components</b>	<b>CAS Number</b>	<b>Weight %</b>
Cobalt chromite bluegreen spinel	68187-11-1	70 - 80%
Aluminum silicate	66402-68-4	10 - 20%
Zinc-iron-chromite brown spinel	68186-88-9	5 - 10%
Cobalt aluminate blue spinel	1345-16-0	1 - 5%
Silica, fumed	112945-52-5	0.1 - 0.5%

**4. FIRST AID MEASURES**

Laguna Clay Company    www.Lagunaclay.com    1-800-4Laguna    info@Lagunaclay.com

#### 4. FIRST AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.

**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion:** Drink plenty of water. Do not induce vomiting. Consult a physician if necessary.

**Notes to physician:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Flash point (°C):** Non combustible

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

**Hazardous decomposition products:** Metal fumes.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus (pressure-demand, NIOSH approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Ensure adequate ventilation.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

**Methods for cleaning up:** Wear personal protective equipment. Sweep up and shovel into suitable containers for disposal. Dispose of promptly. Clean contaminated surface thoroughly.

#### 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin, eyes and clothing. Wash hands thoroughly before eating, drinking or smoking. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Store in original container.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure limits

Minimize exposure in accordance with good hygiene practice.

Components	OSHA	ACGIH
Cobalt chromite bluegreen spinel	0.5 mg/m <sup>3</sup> TWA Cr	0.5 mg/m <sup>3</sup> TWA Cr
Aluminum silicate	5 mg/m <sup>3</sup> TWA Zr	10 mg/m <sup>3</sup> STEL Zr 5 mg/m <sup>3</sup> TWA Zr 0.2 mg/m <sup>3</sup> TWA Mn
Zinc-iron-chromite brown spinel	0.5 mg/m <sup>3</sup> TWA Cr	0.5 mg/m <sup>3</sup> TWA Cr
Cobalt aluminate blue spinel	Not established	0.02 mg/m <sup>3</sup> TWA Co 1 mg/m <sup>3</sup> TWA respirable fraction

**Engineering measures:** Provide appropriate exhaust ventilation at machinery and at places where dust or fumes can be generated. Ensure adequate ventilation, especially in confined areas.

<b>Eye protection:</b>	Safety glasses with side-shields.
<b>Skin and body protection:</b>	Lightweight protective clothing.
<b>Hand protection:</b>	Impervious gloves.
<b>Respiratory protection:</b>	Use NIOSH approved respirator when ventilation is inadequate. In case of insufficient ventilation wear suitable respiratory equipment . Seek professional advice prior to respirator selection and use. NIOSH-approved respirators should be worn where engineering controls and work practices do not reduce exposure to or below the PEL.
<b>Hygiene measures:</b>	Wash hands before breaks and at the end of workday. Contaminated work clothing should not be allowed out of the workplace. Ensure that eyewash stations and safety showers are proximal to the work-station location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Green	<b>Physical state:</b>	Powder
<b>Odor:</b>	Odorless	<b>Molecular weight:</b>	No data available
<b>Boiling point/range (°C):</b>	No data available	<b>pH:</b>	No data available
<b>Melting point/range (°C):</b>	No data available	<b>Specific gravity (Water =1):</b>	No data available
<b>Vapor density:</b>	Non-volatile	<b>Vapor pressure :</b>	No data available
<b>Evaporation Rate (Water = 1)</b>	Non-volatile	<b>Water solubility:</b>	Insoluble
<b>VOC content (%)</b>	0		

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Polymerization</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None under normal use.
<b>Materials to avoid:</b>	None known.
<b>Conditions to avoid</b>	None known.

## II. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Information given is based on data on the components and the toxicology of similar products
<b>Carcinogenic Effects:</b>	IARC has identified Cobalt and Cobalt compounds as "possibly carcinogenic" as a group.
<b>Target Organ Effects:</b>	Cobalt compound: Skin, respiratory system. Chromium compound (inorganic): Eyes, skin, respiratory system.

Component information, if any, is listed below

### Cobalt chromite bluegreen spinel

<b>OSHA - Select Carcinogens:</b>	Present
<b>IARC - Group 2B:</b>	Listed

### Aluminum silicate

<b>OSHA - Select Carcinogens:</b>	Present
<b>IARC - Group 2B:</b>	Listed

### Cobalt aluminate blue spinel

<b>OSHA - Select Carcinogens:</b>	Present
<b>IARC - Group 2B:</b>	Listed

### Silica, fumed

<b>LD50s and LC50s:</b>	Oral LD50 (Rat) = 3160 mg/kg
-------------------------	------------------------------

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity:** No data is available on the product itself. Information given is based on data on the components and the ecotoxicology of similar products.

**Persistence and degradability:** Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible recycling is preferred to disposal or incineration.

## 14. TRANSPORT INFORMATION

### DOT (U.S.)

**Proper shipping name:** Not regulated.

### TDG (Canada)

**Proper shipping name:** Not regulated.

## 15. REGULATORY INFORMATION

### U.S. Regulations:

**TSCA:** Not subject to TSCA 12(b) Export Notification

### SARA 313:

Components	U.S. - CERCLA/SARA - Section 313 - Emission Reporting
Chromium compounds (50 - 60%)	1.0 % de minimis concentration
Zinc compounds (5 - 10%)	1.0 % de minimis concentration
Cobalt compounds (10 - 20%)	0.1 % de minimis concentration

### State Regulations

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

Components	PARTK:
Chromium compounds	Listed (PARTK)
Zinc compounds	Listed (PARTK)
Cobalt compounds	Listed (PARTK)

Components	NJRTK:
Chromium compounds	Listed (NJRTK)
Zinc compounds	Listed (NJRTK)
Cobalt compounds	Listed (NJRTK)

Components	State Regulation - CA Prop65
Cobalt compounds	Carcinogen

### Canadian WHMIS

**WHMIS hazard class:** D2B Toxic materials D2A Very toxic materials

### Canadian Ingredient Disclosure List (IDL):

Components	Canada - WHMIS Ingredient Disclosure:
Chromium compounds	0.1

**International Inventories**

<b>TSCA 8(b):</b>	Listed or exempt.
<b>Canadian DSL/NDSL list</b>	All ingredient(s) are listed on the DSL or NDSL
<b>EC-No.</b>	Listed or exempt.
<b>Philippines (PICCS):</b>	Listed.
<b>Japan (ENCS):</b>	Listed or exempt.
<b>Korea (KECL):</b>	Listed.
<b>China (IECS):</b>	Listed.
<b>Australia (AICS):</b>	Listed.
<b>New Zealand (NZIoC):</b>	Listed.

**16. OTHER INFORMATION****For Industrial Use Only.****Prepared by:** Ferro Technical Center

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

**End of Safety Data Sheet**

Distributed by:  
Laguna Clay Company  
14400 Lomas Ave  
City of Industry, CA 91746  
1-800-4Laguna  
info@lagunaclay.com  
www.lagunaclay.com