

MATERIAL SAFETY DATA SHEET

Page 1

FERRO Code Number: 33-40380
MSDS Rev.: 06-APR-1999

MSDS Print Date: 11/10/05

SECTION I - PRODUCT AND COMPANY INFORMATIONProduct Name: GREEN
CAS Number MIXTURECompany Identification: Ferro Corporation
L. C. & D. Division
54 Kellogg Court
Edison NJ 08817Contact: Dave Malysa
Telephone/Fax: 732-287-1930 732-287-1943
Emergency Phone (24 Hour): FERRO'S Emergency Telephone
1-216-641-5324
Chemtrec (24 Hour): 1-800-424-9300
Preparer James H. Fisher
Data Coordinator

Trade Name GREEN

SECTION II - HAZARDOUS INFORMATION

Ingredient Name	CAS Number	Percent	TSCA Inv
C. I. Pigment Green 7	1328-53-6	10 - 30	Y

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION III - PHYSICAL DATA

Boiling Point: Not Available
Vapor Pressure (mmHg): 1.@ 68.°F
Evaporation Rate:
% Volatile Weight Not Applicable
% Volatile Volume Not Applicable
Specific Gravity: 1.143

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class
Flash Point: 388.4°F
Tag Open Cup
Explosive Range: Not Available

EXTINGUISHING MEDIA:

Use foam, carbon dioxide or dry chemical
SPECIAL FIREFIGHTING PROCEDURES

FERRO Code Number: 33-40380
MSDS Rev.: 06-APR-1999

MSDS Print Date: 11/10/05

PREVENT runoff from entering streams, sewers or drinking water supply.
Extinguish flame from perimeter inward to main body of fire.

Extinguisher Media: ABC Extinguisher, Carbon Dioxide, Foam, Water.

Special fire fighting procedures:

Water or foam may cause frothing when applied to liquids having flash points above 100 degrees C. The frothing may be quite violent and endanger the life of the firefighter particularly when solid streams are directed into the hot burning liquid.

ESTER POLYOL: Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS:

PHTHALOCYANINE GREEN: When involved in a fire or exposed to high temperatures for an extended period of time, organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen & carbon, or other toxic compounds.

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

See Section VIII.

FIRST AID:

INHALATION: If inhaled, move individual to fresh air. Make comfortably warm but not hot. Use oxygen or artificial respiration as required. See a physician if irritation is present or persists.

SKIN: In case of contact, remove contaminated clothing. Wash thoroughly with soap & plenty of water. See a physician if irritation is present or persists. Launder contaminated clothing before reuse.

EYE: Immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention.

INGESTION: If swallowed, call a physician immediately. Induce vomiting only at the instructions of a physician. Never give anything by mouth to an unconscious person.

SECTION VI - STABILITY AND REACTIVITY DATA

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

ESTER POLYOL: Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

PHTHALOCYANINE GREEN: Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, & permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

CONDITIONS TO AVOID:

Keep materials with ester polyol from strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

COPPER COMPOUNDS: When involved in a fire, burning organic

FERRO Code Number: 33-40380

MSDS Rev.: 06-APR-1999

MSDS Print Date: 11/10/05

pigments may evolve noxious fumes which may include Carbon monoxide, nitrous oxides or other toxic compounds, depending on the pigment type.

Combustion will produce carbon dioxide and carbon monoxide.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Confine spill. Transfer to secure containers where necessary, Collect using absorbent media. Flush area with hot water and detergent.

WASTE DISPOSAL METHOD:

Dispose of in accordance with Federal, State and Local regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
C. I. Pigment Green 7	N/est	N/est	N/est	N/est	N/est

RESPIRATORY PROTECTION:

Where dust may be present, an approved NIOSH/MSHA dust respirator is recommended.

VENTILATION:

Mechanical Ventilation Suggested.

PROTECTIVE GLOVES:

Chemical workers gloves is recommended.

EYE PROTECTION:

Chemical goggles as needed to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:

Practice good hygiene, wash hands and face before eating or smoking. Launder clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes, skin, clothing. Avoid breathing vapor, mist or spray. Use with good ventilation. Wash thoroughly after handling. Store in cool, dry area in closed containers away from incompatible materials. Store away from sunlight, heat, sparks and open flames. Protect containers against physical damage. Do not smoke in work area. Do not store near food or feed.

OTHER PRECAUTIONS:

Since emptied containers retain product residues (vapor, liquid or solid), all hazard precautions listed in the MSDS should be observed!

FERRO Code Number: 33-40380
MSDS Rev.: 06-APR-1999

MSDS Print Date: 11/10/05

SECTION X - REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
C. I. Pigment Green 7	1328-53-6	17.14

May contain traces of Polychlorinated Biphenyls (PCB's).

MASSACHUSETTS SUBSTANCE LIST:

Copper compounds are listed.

Phthalocyanine Pigments may contain traces of Polychlorinated Biphenyls (PCB's).

DISCLAIMER:

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.