

MATERIAL SAFETY DATA SHEET

REVISION DATE: November 27, 1991 PRINT DATE: December 3, 1991

PC PIGMENT DISPERSION: PC TYPE IV

I. PRODUCT IDENTIFICATION

Resinal Pigment
 1501 RED
 16195 Orange
 201 yellow
 17449 Dead grass

Product Manufacturer: American Colors, Inc.
 Address: P.O. Box 397, Sandusky Ohio 44871-0397
 Emergency Telephone No.: (419) 625-2173
 Chemtrec: (800) 424-9300
 Product Code: See PC TYPE IV Product Label
 Chemical Family: Polyester pigment dispersion
 D.O.T. Shipping Class: None
 D.O.T. Hazard Class: None
 UN/NA Number: None
 HMIS: 2-1-1

II. HAZARDOUS INGREDIENTS

% by weight	ACGIH TLV	OSHA PEL	CAS NUMBER
Unsaturated Polyester	not available	not available	confidential
Lead Chromate*			
< 9% (as Cr)	0.05 mg/m3	0.05 mg/m3	7440-47-3
<41% (as Pb)	not available	0.05 mg/m3	7439-92-1
<16% Cadmium Mercury Sulfate*			
(as Cd)	0.05 mg/m3	0.2 mg/m3	7740-43-9
(as Hg)	0.1 mg/m3	0.1 mg/m3 (ceiling)	7439-97-6
<15% Cadmium Mercury Selenide*			
(as Se)	0.2 mg/m3	0.2 mg/m3	7782-49-2

Product contains Lead Chromate and/or Cadmium pigments - suspect carcinogens according to OSHA

*Contains chemicals subject to the reporting requirements of Section 313 of SARA Title III

All chemicals used in the manufacture of this product are on the Toxic Substance Control list.

III. PHYSICAL DATA

Appearance: colored liquid
 Odor: none
 Specific Gravity: 1.1 - 2.2
 Bulk Density: 8 - 20 lb/gal
 Vapor Pressure: none
 Percent Volatile: 0
 Boiling Point: 500 F
 Solubility in water: slight

IV. FIRE AND EXPLOSION HAZARD DATA

Flash point: >350 F
 Lower explosive limit: n/a
 Upper explosive limit: n/a
 Extinguishing media: water spray, water fog, CO2 or dry chemical-NFPA Class B

Unusual hazards: Hazardous melting or dripping may occur at high temperature. Vapors may add to the intensity of the fire. Under fire

conditions, may emit irritant/toxic gas and/or fumes. Fire fighters should wear self-contained breathing apparatus and protective clothing.

V. HEALTH HAZARD DATA

ACUTE:

- *eye contact: may cause irritation, redness, or tearing
- *skin contact: may cause slight irritation
- *inhalation: Repeated or prolonged exposure to lead chromate may cause delayed effects involving the blood, gastrointestinal, nervous, and reproductive systems. Repeated exposure to cadmium and mercury compounds may cause delayed effects involving the respiratory, renal and nervous systems.
- *oral ingestion: May cause gastrointestinal disturbances.

EMERGENCY FIRST AID:

- *eye contact: Immediately flush eyes with large amounts of water for 15 minutes. Seek medical aid.
- *skin contact: Remove contaminated clothing. Wash thoroughly with soap and water.
- *inhalation: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid.
- *ingestion: Do Not Induce Vomiting. Immediately seek medical help.

Note to Physician: There is no specific antidote for effects from overexposure. Treatment should be directed at the control of the symptoms and the clinical condition.

VI. REACTIVITY DATA

Stability: stable

Polymerization: May occur if exposed to heat, peroxides, catalysts, or contamination.

Hazardous decomposition products: carbon monoxide, carbon dioxide, and smoke.

Avoid contact with strong oxidizing agents and organic peroxides.

VII. SPILL OR LEAK PROCEDURES

Steps to take if material is released:

Avoid excessive breathing of fumes. Remove source of ignition. Absorb with inert absorbent material and transfer to properly labeled containers.

Disposal procedures:

This product may exhibit the characteristics of toxicity (TCLP) for heavy metals such as cadmium, chromium, lead or mercury. Dispose of in accordance with local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory: Not normally needed, however, if respirators are required to keep exposure below TLV, use NIOSH/MSHA approved units as per current 29 CFR 1910.134 and manufacturer's

instructions and warnings.

Ventilation: Not normally needed.

Eye: Chemical splash goggles

Protective gloves: neoprene or nitrile rubber gloves.

Work/Hygienic Practices: It is recommended that smoking, eating and drinking be avoided when working with this product. Wash hands thoroughly before eating, drinking or smoking.

IX. SPECIAL PRECAUTIONS

Contact with eyes and skin may cause irritation. Store in closed properly labeled container in a cool ventilated area (below 30 C). Avoid prolonged or repeated breathing of vapors and contact with eyes and skin. Contains cadmium, mercury and or lead pigments.

This MSDS refers to all Type IV paste concentrate products with the product code prefixes Type IV PC.

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of this date, American Colors, Inc. makes no warranty with respect to and disclaims all liability from reliance thereon.