

RED Resin Pigment
1501, 1312, 16195, 180406,
ROYAL Blue orange GRAY

MATERIAL SAFETY DATA SHEET

REVISION DATE 10/25/89

HMIS

PASTE CONCENTRATE MSDS TYPE IV

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1

I. PRODUCT IDENTIFICATION

Product Manufacturer: American Colors, Inc.
Address: P.O. Box 397, Sandusky, Ohio 44870
Emergency Telephone No.: (419) 625-2173
Product Code: See PC Type IV Product Labels
Family: (PC) Polyester pigment dispersions
Chemical Name: Monomer free unsaturated polyester resin
D.O.T. Shipping Name: None
D.O.T. Hazard Class: None
UN/NA Number: None

II. HAZARDOUS INGREDIENTS

	ACGIH TLV	OSHA PEL	CAS NUMBER
Unsaturated Polyester	not established	not established	none
Lead Chromate*	0.05 mg/m3 (as Cr)	0.5 mg/m3 (as Cr) 0.05 mg/m3 (as Pb)	7758-97-6 7439-92-1
Cadmium-	0.05 mg/m3 (as Cd)	0.20 mg/m3 (as Cd)	1345-09-1
Mercury Sulfide*	0.01 mg/m3 (as Hg)	1.0 mg/m3 Ceiling (as Hg)	
Cadmium-	0.05 mg/m3 (as Cd)	0.20 mg/m3 (as Cd)	12214-12-9
Sulfide Selenide*	0.2 mg/m3 (as Se)	0.2 mg/m3 (as Se)	

Product contains Lead Chromate and/or Cadmium Pigments - Suspect Carcinogens-OSHA
* Contains Chemicals subject to the reporting requirements of Section 313 of SARA Title III

III. PHYSICAL DATA

Appearance: Colored liquid
Odor: None
Specific Gravity: 1.1 - 2.2
Bulk density: 9 - 18 lbs./gallon
Vapor density: No data
Vapor Pressure: No data
Percent volatile: 0%
Evaporation rate: 1 (ether = 1)
Boiling point: 500 F
Melting Point: No data
solubility in water: slight
Ph: No data

IV. FIRE AND EXPLOSION HAZARD DATA

Flash point: 350 F (PENSKEY-MARTENS)
Lower explosive limit: N/A
Upper explosive limit: N/A
Extinguishing media: Use steam, water fog, carbon dioxide or dry chemical-NFPA class B.
Special firefighting procedures: Wear complete fire service protective equipment, including full-face MSHA/NIOSH approved self-contained breathing apparatus. Use water to cool fire-exposed containers. Water or foam may cause frothing if product is heated above 200 F.
Unusual hazards: Hazardous melting or dripping may occur at high temperatures. Vapors may add to the intensity of the fire. Under fire conditions, may emit irritant/toxic gas and/or fumes.

V. HEALTH HAZARD DATA

Acute:

- *eye contact: Contact with eyes may cause irritation.
- *skin contact: Repeated and/or prolonged contact with skin may cause irritation.
- *inhalation: Repeated or prolonged inhalation and ingestion of lead may cause delayed effects involving blood, gastrointestinal, nervous and reproductive systems. Also, excessive 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. If irritation persists, seek medical aid. Wash clothing before reuse.
- *ingestion: DO NOT INDUCE VOMITING. Immediately seek medical aid.
- *inhalation: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid. See 29 CFR 1919.1025(j) for medical compliance requirements in case of exposure above the PEL for Lead.

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

Incompatibility: Avoid organic peroxides, oxidizing agents, acids, and caustics.

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

VII. SPILL OR LEAK PROCEDURES

*Steps to take if material is released:

Remove all sources of ignition and ventilate the area.
Absorb with an inert material.

*Disposal procedure:

This product may exhibit the characteristics of EP Toxicity for cadmium, mercury or lead. Dispose of as an industrial waste in accordance with local, state and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory: For liquids handled at room temperature, not required under normal conditions.

Ventilation: Use sufficient mechanical (general or local exhaust) ventilation to maintain exposure to below the TLV.

Eye: Industrial safety glasses, minimum. As necessary to comply with 29 CFR 1910.133 and work area conditions: use side shields, goggles or face shield.

Protective gloves: neoprene or nitrile rubber.

Other protective equipment: If needed, rubber apron, boots.

IX. SPECIAL PRECAUTIONS

*Handling and storage:

Store in a closed properly labeled container in a cool ventilated area (below 30 C). Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with eyes or skin.

***Other precautions:**

Do not use until manufacturers precautions have been read and understood. Wash exposed areas promptly and thoroughly after skin contact and before eating, drinking, smoking, using tobacco products or restrooms. Do not wear contact lenses without proper eye protection when using this product.

This MSDS refers to all Type III Paste Concentrate products with the product code prefixes Type III PC. The base color products with these Type III prefixes are mixed to match customer needs. These mixtures have similar compositions and have the same properties and warnings as the base products.

This MSDS refers to all Type IV Paste Concentrate products with the product code prefixes Type IV PC. The base color products with these Type IV prefixes are mixed to match customer needs. These mixtures have similar compositions and have the same properties and warnings as the base products.

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.