

Material Safety Data Sheet

6823 ORANGE

Date of Preparation: 09/28/2004

Revision: 09/28/2004

Section 1 - Chemical Product and Company Identification

Product Name: 6823 ORANGE

Product Class: Pigment

Chemical Type: Non-aqueous colorant

Manufacturer: BJB Enterprises, Inc., 14791 Franklin Avenue, Tustin, CA 92780, Phone (714) 734-8450, Fax (714) 734-8929, (M-Th: 8-4:30, F: 7:30-4), Emergency Phone: Chemtrec (800) 424-9300 or (703) 527-3887

Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN	% wt
1. Lead Molybdate, Chromate, Sulfate	12656-85-8	<61
2. Polyester resin	Proprietary	10-15
3. Barium sulfate	7727-43-7	5-10
4. Antimony oxide	1309-64-4	1-5

Trace Impurities: N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
#1	0.05 mg/m ³ (as Pb) 0.1 mg/m ³ (as CrO ₃) 10 (as Mo)	NE	0.05 mg/m ³ (as Pb) 0.1 mg/m ³ (as CrO ₃) 10 (as Mo)	NE	NE	NE	NE
#2	NE	NE	NE	NE	NE	NE	NE
#3	5 mg/m ³ (respirable dust)	NE	10 mg/m ³ (total dust)	NE	NE	NE	NE
#4	0.5 mg/m ³	NE	NE	NE	NE	NE	NE

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Orange liquid; Odor: Mild. May cause eye and skin irritation. Harmful if inhaled. Use in well-ventilated areas. Emits toxic fumes under fire conditions. This product contains one or more reported carcinogens or suspected carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits recommended column. This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding or grinding.

HMIS

H 2

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R 0

PPE†

†Sec. 8

Potential Health Effects

Primary Entry Routes: Eye and skin contact; inhalation of vapors, accidental ingestion. No harmful effects by chronic exposure reported.

Acute Effects:

Inhalation: May cause liver and kidney damage, hematuria.

Ingestion: May cause liver and kidney damage, hematuria.

Eye: May cause minor irritation but no corneal injury.

Skin: Exposure may cause mild skin irritation. Symptoms may include redness and burning.

Chronic Effects:

Inhalation: May cause liver and kidney damage, blood effects.

Ingestion: No harmful effects by chronic exposure.

Eye: No harmful effects by chronic exposure.

Skin: Repeated and/or prolonged contact with the skin may cause irritation.

Carcinogenicity: in evaluating Lead Chromate, The International Agency for Research on Cancer (IARC) has determined that there is sufficient evidence of carcinogenicity in humans (group 1). The National Toxicology Program (NTP) classifies Lead Chromate as a known human carcinogen, and the American Conference of Governmental Industrial Hygienists (ACGIH) lists Lead Chromate as a suspected human carcinogen (A2).

Lead and lead compounds are listed by the International Agency for Research on Cancer (IARC) as having sufficient evidence for carcinogenicity in animals, but as having inadequate evidence for carcinogenicity in humans. Consult the most recent OSHA Lead Standard (29CFR 1910.1025) and its attachments, appendices, etc., for full requirements.

Medical Conditions Aggravated by Long-Term Exposure: May aggravate pre-existing skin disorders and previous respiratory impairments.

Section 4 - First Aid Measures

Inhalation: Not likely. Remove to fresh air environment.

Ingestion: If swallowed, call a physician immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Eye Contact: Flush eyes with clean, lukewarm water for 15 minutes. Flush under both upper and lower lids. Obtain medical attention if irritation develops.

Skin Contact: Remove contaminated clothing and wash affected areas well with soap and water. Launder contaminated clothing before use.

Note to Physicians: Treat any ill effects symptomatically.

Section 5 - Fire-Fighting Measures

Flash Point: 200°F (93°C)

Extinguishing Media: CO₂, foam, or dry chemical. Water may be used to keep fire-exposed containers cool until fire is out.

Unusual Fire or Explosion Hazards: Emits toxic fumes under fire conditions.

Fire-Fighting Instructions: Cool fire exposed containers with water spray. Remove containers from fire area if possible. Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and consider use of unmanned hose holders or monitor nozzles for fighting large fires. Although hexavalent chromium compounds are considered to be oxidizing, due to the insolubility of lead chromates, very little oxidizing hazard is expected. Lead chromates in the presence of organic compounds at elevated temperatures may create a fire hazard.



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Provide adequate ventilation and wear personal protective equipment. Eliminate all ignition sources. Prevent product spill from entering sewers, streams or drinking water supplies. Collect liquid or soak up with inert filler or an absorbent, such as dry earth, sand or oil absorbent (sweeping) compound. Collect material into suitable containers for disposal. Wash area with detergent and flush with copious amounts of water.

Containment: For large spills, dike ahead of liquid spill for later neutralization, absorption, clean up and disposal.

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with eyes, skin and clothing. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. If used in dry form, use proper grounding techniques when emptying contents from package. Failure to use proper grounding techniques may result in build-up of hazardous electrostatic charges which could cause flash fire or explosion.

Storage Requirements: Store in closed, properly labeled containers away from heat, open flames and strong oxidizers.

Shelf life: 24 months from date of shipment under manufacturers recommended storage conditions.

Section 8 - Exposure Controls / Personal Protection

Eye Protection Requirements: Safety goggles or glasses are recommended. Plastic face shield should be worn for complete face protection.

Skin Protection Requirements: Impermeable gloves should be worn. Employees should wash their hands and face before eating, drinking or using tobacco products.

Ventilation/Respiratory Requirements: Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH certified) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Additional Protective Measures: Safety showers and eye wash stations should be easily accessible to the work area. Training is important. Follow all label precautions.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance/Odor: Orange/Mild

Vapor Pressure: 0.35

Specific Gravity (H₂O=1): 2.446

Water Solubility: NE

% Volatile: None

V.O.C. (ref EPA meth 24): None

Section 10 - Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Polymerization: Product can undergo hazardous polymerization.

Chemical Incompatibilities: Strong acids, strong alkali (bases), peroxides, and other oxidizers.

Conditions to Avoid: Excessive heat, flame and other possible ignition sources.

Hazardous Decomposition: Carbon monoxide, carbon dioxide, and various hydrocarbons.

Section 11- Toxicological Information

No Toxicological Information Available

Section 12 - Ecological Information

No Ecological Information Available

Section 13 - Disposal Considerations

Waste Disposal Method: In a licensed, permitted facility, incinerate or landfill as a solid after cementation of encapsulation. Do not discharge into waterways or sewer systems. Spilled material, empty containers and unused contents must be disposed of in accordance with federal, state or local environmental control regulations.

Section 14 - Transport Information

DOT
Not regulated

IATA/ICAO
Not regulated

IMO/IMDG
Not regulated

Section 15 - Regulatory Information

U.S. Federal Regulations:

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

SARA TITLE III:

Sections 311/312 Hazard Classification:

None

Section 313: This product contains the following substances subject to the reporting requirements of EPCRA, Section 313 and 40 CFR Part 372:

Lead molybdate, chromate, sulfate	CAS Number – 12656-85-8	61% max
Antimony oxide	CAS Number – 1309-64-4	5% max

TSCA: This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following substances subject to export notification under Section 12 (b) of TSCA:

None

Section 16 - Other Information

Reason for Issue: New Issue

Prepared By: M. Rose

Approval Date: 09/28/2004

Supersedes Date: N/A

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