

Material Safety Data Sheet

6665 Medium Chrome Yellow

Date of Preparation: 02/16/2001

Revision: 02/16/2001

Section 1 - Chemical Product and Company Identification

Product Name: 6665 MEDIUM CHROME YELLOW

Product Class: Pigment dispersion

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. C.I. Pigment Yellow 34 (Lead sulfochromate)	001344-37-2	60 - 100
2. n-Butyl alcohol	000071-36-3	1 - 5
3. Isobutyl alcohol	000078-83-1	1 - 5
4. VM & P Naphtha	008032-32-4	1 - 5
5. Mineral spirits	008052-41-3	1 - 5
6. Aliphatic petroleum distillates	064742-47-8	1 - 5
7. Surfactant NJTSR No. 56705700001-5057P	Trade Secret	1 - 5

Trace Impurities: N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		OTHER LIMITS
	TWA	STEL	TWA	STEL	TWA	STEL	
#1	0.05 mg/m ³ Pb	NE	0.012 mg/m ³ Cr	NE	NE	NE	NE
#2	100 ppm	NE	NE	NE	NE	NE	50 ppm (skin) ceiling ACGIH/OSHA
#3	100 ppm	NE	50 ppm	NE	NE	NE	NE
#4	NE	NE	300 ppm	NE	NE	NE	NE
#5	500 ppm	NE	100 ppm	NE	NE	NE	525 mg/m ³ TWA ONTARI
#6	500 ppm	NE	100 ppm	NE	NE	NE	NE
#7	NE	NE	NE	NE	NE	NE	NE

Other Exposure Limit Information: Exposure values for mineral spirits (CAS# 8052-41-3) are given as Stoddard solvent. Exposure values for Aliphatic petroleum distillates (CAS# 64742-47-8) are given as Stoddard solvent.

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Flammable liquid and vapor. May cause eye, skin and respiratory tract irritation.

HMIS

H 2

F 3

R 0

PPE[†]

[†]Sec. 8

Potential Health Effects

Eye Contact: May injure eye tissue if not removed promptly. Severely irritating. Causes painful stinging or burning of eyes, eyelids, watering of eyes, conjunctivitis and opaqueness of the cornea, possibly leading to loss of sight. According to test results on similar colorant base mixtures, this product is classified as a moderate eye irritant. May cause tearing, reddening and/or swelling.

Skin Contact: Prolonged or repeated contact may result in defatting and drying of the skin, causing skin irritation and dermatitis (rash).

Inhalation: Possibly irritating. If misted, causes irritation of mucous membranes, nose, eyes and throat. May cause coughing and difficulty in breathing. Excessive inhalation of solvent vapors may cause nasal and respiratory irritation and central nervous system effects including dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even death.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes smarting and burning sensations, inflammation, burns and painful blisters of the mouth, throat and digestive tract.

General: Lead and lead compounds are cumulative poisons; blood levels can increase with repeated exposure causing blood, kidney, liver, reproductive, developmental and nervous system effects. Symptoms may include abdominal discomfort or pain, nausea, diarrhea, loss of appetite, dizziness, lassitude, incoordination and insomnia. Lead chromate is listed as a suspect human carcinogen by IARC (Group 2B). However, recent toxicity data indicate that lead chromate pigments are non-carcinogenic or at least show extremely low carcinogenic potential based on lung implantation studies on rats. Furthermore, lead chromate pigments do not show an increase in lung cancer rates according to epidemiological studies of workers in factories, which produce only lead chromate pigments.

Health studies have shown that many petroleum hydrocarbons pose potential human health risks, which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

Section 4 - First Aid Measures

Eye Contact: In case of contact, immediately flush eyes with water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Skin Contact: Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: Aspiration of material into the lungs may cause chemical pneumonitis (damage to lungs) which may be fatal.

If swallowed, do NOT induce vomiting. Have victim drink 8 - 10 ounces of water or milk to dilute material in stomach. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 - Fire-Fighting Measures

Flash Point/Method: 82°F (28°C) PMCC

OSHA Flammability Classification: Flammable liquid

Autoignition Temperature: Not determined

Extinguishing Media: Use water spray or fog, foam, dry chemical or carbon dioxide.

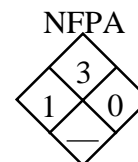
Unusual Fire or Explosion Hazards: Upper and lower explosive limits not available.

Other Flammable Properties: Flammable liquid. Vapors can travel to source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above the flashpoint.

Fire-Fighting Instructions: Containers can build up pressure if exposed to heat (fire). 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.



Section 6 - Accidental Release Measures

Spill Leak Procedures: Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8. Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water. Clean up spills immediately. Obey relevant local, state and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Section 7 - Handling and Storage

Handling Precautions: Keep away from heat. Keep away from sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. The need for grounding and bonding of containers in accordance with OSHA 29 CFR 1910.106 and NFPA 77 should be assessed for all product transfers. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.

Storage Requirements: Store in a cool, dry place. Keep container closed when not in use.

Shelf life: 6 months, from shipping date, under manufacturers recommended storage conditions.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Eye Protection: Use chemical splash goggles.

Skin Protection: Use impermeable gloves to minimize skin contact.

Other Protective Equipment: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Section 9 - Physical and Chemical Properties

Physical State: Paste	Water Solubility: Slight
Appearance and Odor: Yellow; Petroleum distillate odor	Boiling Point: N/A
Vapor Pressure: N/A	Evaporation Rate: Is slower than Butyl Acetate
Vapor Density (Air=1): Is heavier than air	Viscosity: 120 - 135 KU @ 77°F (25°C)
Specific Gravity (H₂O=1): 2.0	% Volatile: 12
	V.O.C. (ref EPA meth 24): 265 gm/liter

Section 10 - Stability and Reactivity

Stability: 6665 Medium Chrome Yellow is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities/Conditions to Avoid: Oxidizing materials/High temperatures and sources of ignition.

Hazardous Decomposition: N/A

Section 11- Toxicological Information

Component toxicological information:

Chemical Name	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
n-Butyl alcohol	2,460 mg/kg	4,200 mg/kg	8,000 ppm 4 hr.
C.I. Pigment Yellow 34 - (Lead sulfochromate)	>2,000 mg/kg	Not Available	Not Available
Mineral spirits	>5,000 mg/kg	>3,000 mg/kg	>5,500 mg/m ³ , 4hr.
VM & P Naphtha	5,000-15,000 mg/kg	Not Available	3,400 ppm, 4 hr.
Aliphatic petroleum distillates	>8,000 mg/kg	>4,000 mg/kg	>14,100 mg/m ³ , 4hr.
Isobutyl alcohol	2,500 mg/kg	3,400 mg/kg	> 8,000 ppm, 4 hr.

Section 12 - Ecological Information

No Ecological Information Available

Section 13 - Disposal Considerations

Waste Disposal Method: Waste must be disposed of in accordance with federal, state and local regulations. Incineration is the preferred method. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.

Container Disposal: Empty containers by removing the top and inverting to allow all free flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash.

Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with mineral spirits until the containers are considered generally product free.

Section 14 - Transport Information

Shipping Name: Paint	DOT (USA): Regulated
Hazard Class: 3	Class 3, PG III
ID No.: UN1263	*Containers with a maximum NET Quantity of 4 fluid ounces or less are classified as a consumer commodity as per DOT 49 CFR 171.8
Packing Group: III	IATA/ICAO: Regulated
Label: Flammable liquid	Class 3, PG III
	IMO/IMDG: Regulated
	Class 3.3, PG III

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.

Clean Air Act Section 112:

This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

Lead Compounds	CAS Number – Not Available	Wt. 60 - 100%
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This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

Chromium Compounds	CAS Number – Not Available	Wt. 60 - 100%
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SARA TITLE III:

Section 302: This product contains the following components listed as Extremely Hazardous Substances:

None

Sections 311/312 Hazard Classification: Immediate (acute), Delayed (chronic), Fire

Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

n-Butyl alcohol	CAS Number – 000071-36-3	Wt. 5% (max.)
Lead Compounds	CAS Number – Not Available	Wt. 100% (max.)
Chromium Compounds	CAS Number – Not Available	Wt. 100% (max.)

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

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

Isobutyl alcohol	CAS Number – 000078-83-1
n-Butyl acetate	CAS Number – 00123-86-4
2-Ethylhexanol	CAS Number – 000104-76-7

State Regulations:

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

Warning: Contains C.I. Pigment Yellow 34 (Lead sulfochromate)	CAS Number 001344-37-2	Wt. 100% (max.)
Warning: Contains Ethyl benzene	CAS Number – 000100-41-4	Trace

This product contains the following substances known to the State of California to cause adverse reproductive effects:

Warning: Contains C.I. Pigment Yellow 34 (Lead sulfochromate)	CAS Number 001344-37-2	Wt. 100% (max.)
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Section 16 - Other Information

Reason for Issue: Revised Sections 9, 11 & 15

Prepared By: S.F. Marks

Approval Date: 02/16/2001

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