

# MATERIAL SAFETY DATA SHEET



**Date Issued:** 10/20/2008  
**MSDS No:** 6840 Ultra Black  
**Date-Revised:** 01/11/2012  
**Revision No:** 1

## 6840 Ultra Black

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 6840 Ultra Black  
**GENERAL USE:** Pigment  
**CHEMICAL FAMILY:** Non-aqueous colorant

#### MANUFACTURER

BJB Enterprises, Inc.  
 14791 Franklin Avenue  
 Tustin, CA 92780

**Customer Service Number:** (714) 734-8450

**Fax:** (714) 734-8929

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation):** (800) 424-9300  
 or (703) 527-3887

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE AND ODOR:** Black viscous liquid with mild odor.

**IMMEDIATE CONCERNS:** May cause eye and skin irritation. Use in a well-ventilated area. This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause irritation.

**SKIN:** May cause irritation.

**INGESTION:** Low oral toxicity.

**INHALATION:** May result in respiratory irritation.

#### CHRONIC TOXICITY

**CARCINOGENICITY:** This product contains ingredients that are considered to be probable or suspected human carcinogens (see Section 11).

**MEDICAL CONDITIONS AGGRAVATED:** May cause or aggravate dermatitis and asthma.

**ROUTES OF ENTRY:** Eye and skin contact, inhalation of vapors, or accidental ingestion.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Butyl benzyl phthalate	45 - 50	85-68-7
Carbon Black	45 - 50	1333-86-4

### 4. FIRST AID MEASURES

**EYES:** Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

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**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** 199°C (390°F)

**EXTINGUISHING MEDIA:** Foam, dry chemical, or carbon dioxide.

**FIRE FIGHTING PROCEDURES:** Cool fire exposed containers with water spray. Remove containers from the 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.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and various hydrocarbons.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Evacuate the area. Clean-up should only be performed by trained personnel. People dealing with a major spill should wear full protective clothing including appropriate respiratory protection. Prevent product spill from entering sewers or waterways. Neutralize small spills with a decontaminant.

**LARGE SPILL:** Contain and absorb large spills onto an inert, non-flammable adsorbent carrier (such as earth or sand). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spill area clean with a liquid decontaminant. Remove and properly dispose of residues. Notify applicable government authorities if release is reportable. (See CERCLA in Section 15).

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid breathing vapor over open containers. Avoid open container exposure to damp air. Avoid breathing aerosols, mists, and vapors.

**HANDLING:** Use appropriate personal protective equipment as specified in Section 8. Handle in a well ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**STORAGE:** Store in a cool, dry place, away from excessive heat, in original or similar container. Avoid unnecessary contact. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials.

**SHELF LIFE:** 24 months from date of shipment under manufacturers recommended storage conditions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****EXPOSURE GUIDELINES**

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Butyl benzyl phthalate	TWA	NE	NE	NE	NE	NE	NE
	STEL	NE	NE	NE	NE	NE	NE
Carbon Black	TWA	NE	3.5	NE	3.5	NE <sup>[1]</sup>	3.5 <sup>[1]</sup>
	STEL	NE	NE	NE	NE	NE	NE
<b>OSHA TABLE COMMENTS:</b>							
1. NIOSH REL							

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT**

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**EYES AND FACE:** Safety goggles or glasses are recommended. Plastic face shields should be used for complete face protection to protect against possible splashing or spraying of material. ANSI Z87.1 or approved equivalent.

**SKIN:** Chemical-resistant gloves and chemical goggles, face-shield, and synthetic apron or coveralls should be used to prevent contact with eyes, skin, or clothing. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

**RESPIRATORY:** Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH approved) 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).

**PROTECTIVE CLOTHING:** Protective clothing should be selected and used in accordance with 'Guidelines for the Selection of Chemical Protective Clothing' published by ACGIH.

**WORK HYGIENIC PRACTICES:** Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands before eating.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Training is important. Follow all label precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Viscous liquid

**ODOR:** Mild

**COLOR:** Black

**PERCENT VOLATILE:** 1.15

**VAPOR PRESSURE:** < 1 mmHg at 25°C (77°F)

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** 240°C (464°F)

**FLASHPOINT AND METHOD:** 199°C (390°F)

**SOLUBILITY IN WATER:** Slightly soluble

**SPECIFIC GRAVITY:** 1.360 (water=1) at 25°C (77°F)

**VOC (Volatile Organic Compound):** 15.600 g/l Calculated. Theoretical VOC minus water and exempt solvents.

**10. STABILITY AND REACTIVITY**

**STABILITY:** This product is stable under normal ambient conditions of temperature and pressure.

**POLYMERIZATION:** Product will not undergo polymerization.

**CONDITIONS TO AVOID:** High temperatures, moisture, and freezing conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and various hydrocarbons.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents, strong alkalies, and strong acids.

**11. TOXICOLOGICAL INFORMATION****TOXICITY TO ANIMALS**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Butyl benzyl phthalate	20400 mg/kg	> 10000 mg/kg	> 6.7 mg/l
Carbon Black	> 8000 g/kg	Not Established	Not Established

**CARCINOGENICITY**

Chemical Name	IARC Status
Butyl benzyl phthalate	3
Carbon Black	2B

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**IARC:** This product contains substances that are classified as possible carcinogens to humans.

**12. ECOLOGICAL INFORMATION****AQUATIC TOXICITY**

**96-HOUR LC<sub>50</sub>:** 1.5 mg/l Fathead minnow

**48-HOUR EC<sub>50</sub>:** 1.7 mg/l Water flea

**Notes:** This information is based only on Butyl benzyl phthalate.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protections and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION) LAND**

**NOTE:** Not Regulated

**AIR (ICAO/IATA):** Not Regulated

**VESSEL (IMO/IMDG):** Not Regulated

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Chronic health hazard

**313 REPORTABLE INGREDIENTS:** 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:  
None

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** For this/these chemicals, release of more than the Reportable Quantity to the environment in a 24-hour period requires notification to the National Response Center (800-424-8802 or 202-426-2675):

Chemical Name	Wt.%	CERCLA RQ
Butyl benzyl phthalate	45 - 50	100 lbs.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** None of the chemicals in this product are considered highly hazardous by OSHA.

**REGULATIONS**

**STATE REGULATIONS:** California Proposition 65: This product contains chemical(s) which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

**CALIFORNIA PROPOSITION 65**

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Chemical Name	Wt. %	Listed
Butyl benzyl phthalate	45 - 50	<ul style="list-style-type: none"> <li>● Cancer</li> <li>● Developmental Toxicity</li> </ul>
Carbon Black	45 - 50	Cancer

**OSHA HAZARD COMM. RULE:** The contents of the MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**

Toxic  
 Class D-2A: Material causing other toxic effects (Very toxic).  
 Class D-2B: Material causing other toxic effects (Toxic).

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components in this product are included on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**EUROPEAN COMMUNITY****EEC LABEL SYMBOL AND CLASSIFICATION**

"T" - Toxic



"N" - Dangerous for the environment

**RISK PHRASES**

R61: May cause harm to the unborn child.

R62: Possible risk of impaired fertility.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

**GENERAL COMMENTS:** This product contains butyl benzyl phthalate (BBP), CAS# 85-68-7 EINECS# 201-622-7.

In the U.S., there is a Prohibition on the Sale of Certain Products Containing Phthalates. Children's toys or child care articles shall not contain above 0.1 percent by weight (one thousand parts per million) of BBP [H.R. 4040, The Consumer Safety Improvement Act of 2008].

In the EU, BBP shall not be used as substance or as constituents of preparations, at concentrations of greater than 0.1 percent by weight (one thousand parts per million) of the plasticized material, in toys and childcare articles. Such toys and childcare articles containing BBP in concentrations greater than the limit mentioned above shall not be placed on the market [Directive 2005/84/EC].

**16. OTHER INFORMATION**

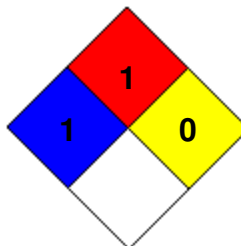
**REASON FOR ISSUE:** Revision

**6840 Ultra Black****APPROVED BY:** Michael Rose    **TITLE:** R & D Manager**PREPARED BY:** Gus Alidad

**REVISION SUMMARY:** This MSDS replaces the 10/20/2008 MSDS. Revised: **Section 1:** REASON FOR ISSUE. **Section 2:** CARCINOGENICITY, MEDICAL CONDITIONS AGGRAVATED. **Section 5:** EXTINGUISHING MEDIA, HAZARDOUS DECOMPOSITION PRODUCTS. **Section 7:** STORAGE. **Section 9:** SPECIFIC GRAVITY, VISCOSITY, VOC (Volatile Organic Compound). **Section 10:** CONDITIONS TO AVOID. **Section 13:** EMPTY CONTAINER. **Section 15:** CERCLA REGULATORY, GENERAL COMMENTS, WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM).

**HMIS RATING**

<b>HEALTH</b>	*	<b>1</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>X</b>

**NFPA CODES****HMIS RATINGS NOTES:** Personal Protection: See Section 8

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