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### 1. Identification

#### Product Identifiers

**Product Name:** Bright Dyes® Copper E-P Powder

**Product Number:** E-505760

#### Recommended Use & Restrictions on Use

Aluminum dye

#### Manufacturer/Supplier

Kingscote Chemicals, Inc.  
3334 South Tech Blvd.  
Miamisburg, OH 45342  
U.S.A.

#### Emergency Telephone Number

**Company Telephone Number:** (937) 886-9100

**Emergency Telephone (24 hr):** INFOTRAC (800) 535-5053 (North America)  
+1-352-323-3500 (International)

### 2. Hazards Identification

#### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

### 3. Composition/Information on Ingredients

This product is not hazardous according to OSHA 29 CFR 1910.1200. Components not listed are not hazardous or are below reportable limits.

### 4. First-Aid Measures

#### First-Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Wash thoroughly with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, administer oxygen; seek medical attention immediately.

**Ingestion** Rinse mouth. DO NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if large quantities were ingested or if nausea occurs.

#### **Most Important Symptoms and Effects**

**Symptoms** Will cause staining of the skin on contact. May cause eye irritation. Inhalation of dust may cause respiratory irritation. Ingestion may cause urine to be an orange color until the dye has been washed through the system.

#### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to Physician** Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Regular foam.

#### **Unsuitable Extinguishing Media**

Not determined

#### **Specific Hazards Arising from the Chemical**

Remote possibility of dust explosion. Burning may produce oxides of carbon and nitrogen (NO<sub>x</sub>).

#### **Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental Release Measures**

#### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as recommended in Section 8.

**Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 and Section 13.

#### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Sweep up and collect into suitable containers for disposal. Flush area with water.

### **7. Handling and Storage**

#### **Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practices. Use personal protection recommended in Section 8. Avoid contact with skin, eyes, or clothing. Avoid breathing dusts. Contaminated clothing should not be allowed out of the workplace.

**Conditions for Safe Storage, Including Incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry, and well-ventilated area. Store away from heat, sparks, open flame or any other ignition source.
<b>Incompatible Materials</b>	None known based on information supplied.

**8. Exposure Controls / Personal Protection****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

**Individual Protection Measures, Such as Personal Protective Equipment:**

<b>Eye/Face Protection</b>	Avoid contact with eyes.
<b>Skin &amp; Body Protection</b>	Rubber gloves. Suitable protective clothing.
<b>Respiratory Protection</b>	Use NIOSH-approved dust mask if dusty conditions exist.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices.

**9. Physical and Chemical Properties****Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Solid	<b>Odor</b>	None apparent
<b>Appearance</b>	Red-orange powder	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Red-orange		

<b><u>Property</u></b>	<b><u>Values</u></b>
<b>pH</b>	8.5 – 9.0 (2 g/L solution)
<b>Melting/Freezing Point</b>	Not applicable
<b>Boiling Point/Range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Non-flammable
<b>Upper Flammability Limits</b>	Not applicable
<b>Lower Flammability Limits</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Specific Gravity</b>	Not applicable
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Viscosity</b>	Not determined

**10. Stability and Reactivity****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Oxides of carbon and nitrogen (NOx).

**11: Toxicological Information****Information on Likely Routes of Exposure**

<b>Inhalation</b>	Avoid inhalation of dust.
<b>Ingestion</b>	Do not ingest.
<b>Skin Contact</b>	May cause an allergic skin reaction.
<b>Eye Contact</b>	Avoid contact with eyes.

**Delayed, Immediate, and Chronic Effects from Short- and Long-Term Exposure**

May cause an allergic skin reaction.

**Numerical Measures of Toxicity**

Not determined

**Symptoms Associated with Exposure**

See Section 4 of this SDS for symptoms.

**Carcinogenicity**

<b>NTP</b>	None
<b>IARC</b>	None
<b>OSHA</b>	None

**12. Ecological Information****Ecotoxicity**

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Not available

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. Disposal Considerations****Waste Disposal Methods**

Dispose of in accordance with federal, state, and local regulations.

**Contaminated Packaging**

Do not re-use empty containers. Dispose of containers in accordance with federal, state, and local regulations.

**14. Transport Information****Note**

See current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated
<b>OMDG</b>	Not regulated

**15: Regulatory Information****International Inventories**

Not determined

**U.S. Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### U.S. State Regulations

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know** This product does not contain any substances regulated under applicable state right-to-know regulations.

### 16: Other Information

#### HMIS

Health Hazards	Flammability	Instability	Special Hazards
1	1	0	F

#### NFPA

Health Hazards	Flammability	Physical Hazards	Personal Protection
1	1	0	E

<b>Issue Date</b>	13-Aug-2013
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<b>Revision Note</b>	Content Review

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**