

MATERIAL SAFETY DATA SHEET

Photochromic Dye – Blue 1

UD01/BL1

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MSDS090 Revision 2

Revision Date 10/09/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Photochromic Dye – Blue 1
Description	Blue photochromic dye
Item #	UD01/BL1
Company	LCR Hallcrest 1911 Pickwick Lane Glenview IL 60026
Telephone	+1 847 998 8580
Fax	+1 847 998 6866
Emergency telephone number	+1 847 998 8580
Intended use	Manufacture of UV sensitive inks and coatings.

2. HAZARDS IDENTIFICATION.

Precautions	May cause irritation to skin. Dust may cause irritation to eyes. May cause irritation to the respiratory tract. Do not swallow.
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3. COMPOSITION / INFORMATION ON INGREDIENTS.

Proprietary photochromic compound	> 95%
Undefined impurities	< 5%

4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact	Remove contact lens and rinse immediately with warm water for at least 15 minutes. Seek medical attention if irritation or symptoms persist.

Inhalation Move the exposed person to fresh air. If symptomatic, seek medical attention.

Ingestion Rinse mouth, sips of water may be given. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician right away as further treatment may be necessary.

5. FIRE FIGHTING MEASURES

Extinguishing media Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Fire hazards Dust/air mixtures may ignite or explode. Emits toxic fumes under fire conditions.

Protective equipment Wear approved pressure demand, self contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid generating dust. Ensure adequate ventilation of the working area.

Environmental precautions Do not allow product to enter drains. Prevent further spillage if safe.

Clean up methods Sweep or gather up material and place in proper container for disposal or recovery.

7. HANDLING AND STORAGE

Handling Avoid contact with eyes, skin, and clothing. Use appropriate personal protective clothing and respiratory protection. Avoid breathing dust. Use only with adequate ventilation. Do not swallow. Remove and wash contaminated clothing before reuse.

Storage Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures Ensure adequate ventilation of the working area.

Respiratory protection If use or application of this product generates dust, use an appropriate NIOSH approved particulate filter respiratory.

Hand protection	Impervious gloves. Rubber.
Eye protection	Standard safety glasses with side shields.
Protective equipment	Protective clothing such as boots and aprons should be worn when necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Solid, powder.
Color	Blue
Odor	None
Melting point	293-298 °F (145-148°C)
Solubility in water	Negligible

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerization	Will not occur at room temperature.
Conditions / Materials to avoid	Strong oxidizers, strong acids. Do not heat above 90°C.
Thermal decomposition products	Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity Status	This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, ACGIH, or OSHA.
Medical conditions aggravated	None known.
Effects of overexposure:	
Acute	Eye or skin contact may cause some mild irritation. Ingestion may cause illness or irritation of the mouth and gastrointestinal tract.
Chronic	The effects of long term, low level exposures to this product have not been determined.

12. ECOLOGICAL INFORMATION

Ecological information No data at this time.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Proper shipping name Not regulated

15. REGULATORY INFORMATION

USA TSCA: All components of this product are listed on the TSCA Inventory or are covered by a low volume exemption under TSCA.

EU EINECS: A component of this product is not listed on EINECS. Product can be shipped for commercial purposes under a non-notifiable low volume exemption (maximum 10 kg per year of non listed component). Quantities must be tracked.

CANADA DOMESTIC SUBSTANCES LIST (DSL): This product and/or one of its components are not listed on the Canadian DSL, and is being offered for R & D purposes only.

AUSTRALIA AICS: A component in this product is not listed on AICS. This product can only be used in R&D applications.

KOREA ECL: One or more components in this product are not listed on the Korean Existing Chemicals Inventory (KECI). This product can only be used in R&D applications.

JAPAN MITI (ENCS): One or more components in this product are not listed on the Japanese Existing and New Chemical Substances (ENCS) chemical inventory. This product can only be used in R&D applications.

PHILIPPINES PICCS: One or more components in this product are not listed on the Philippines Inventory of Chemical and Chemical Substances (PICCS). This product can only be used in R&D applications.

CHINA IECSC: A component in this product is not listed on the Inventory of Existing Chemical Substances in China (IECSC). This product can only be used in China with an appropriate exemption permit.

16. OTHER INFORMATION

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

HMIS LABELLING HEALTH: 1, FLAMMABILITY: 1, PHYSICAL HAZARD: 0, PERSONAL PROTECTION: F