



MATERIAL SAFETY DATA SHEET

UMPE44 - Photochromic Polyethylene Master Batch

Page 1 of 4
MSDS099 Revision 2
Revision Date 10/09/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Photochromic Master Batch
Description Microencapsulated photochromic dye in polyethylene.
Item # UMPE44
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 plastics.

2. HAZARDS IDENTIFICATION.

Precautions May cause slight irritation to skin. Dust may cause slight irritation to eyes. May cause irritation to the respiratory tract. Do not swallow.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Microencapsulated	20-30%	
Photochromic Powder		
Polyethylene	70-80%	CAS#: 9002-88-4

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	Induce vomiting immediately. 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	Carbon dioxide, dry chemical powder or appropriate foam, sand.
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. Avoid contact with liquids. Eliminate ignition sources. Avoid static charge build-up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area. Practice good personal hygiene. Wash clothes, hands, and other exposed areas before eating, drinking, smoking, and when leaving work.
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, pellets.
Color	Varies depending on batch.
Odor	None
Melting point	120-130°C
Solubility in water	Insoluble
Thermal decomposition	350°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Hazardous Polymerization	Will not occur at room temperature.
Thermal decomposition products	Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Skin irritation:	Slight skin irritation. No data found on skin absorption.
Eye irritation:	Slight eye irritation.
Respiratory irritation:	Slight inhalation hazard from dust / particulates.

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

No classification assigned by IATA.

15. REGULATORY INFORMATION

TSCA inventory status Y

TSCA 12(b) export notification Not listed

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