

MATERIAL SAFETY DATA SHEET

Thermochromic PE Masterbatch

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MSDS124 Revision 1
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1. PRODUCT AND COMPANY IDENTIFICATION

Product name Thermochromic PE Masterbatch
Description Thermochromic master batch concentrate for use in polyethylene.
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 temperature sensitive color change plastics.

2. HAZARDS IDENTIFICATION

Color Various colors
Odor Characteristic
State Pellets
Main Hazards May cause sensitization by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS#
Formaldehyde...% (Formaldehyde)	0-0.5%	50-00-0
4,4'-Isopropylidenediphenol	1-10%	80-05-7

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to the respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon oxides.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid raising dust. Ensure adequate ventilation of the working area. Wear suitable protective equipment.

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

Clean up methods Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling Avoid contact with eyes. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Specific use Heating during molding will generate higher levels of formaldehyde vapors which should be vented.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

Formaldehyde...%	ACGIH TLV TWA: -	ACGIH TLV STEL: C 0.3 ppm
(Formaldehyde)	Notations: SEN; A2	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA	
	mg m3: -	Skin Designation: -

Appropriate engineering controls Ensure adequate ventilation of the working area.

Individual protection measures Wear chemical protective clothing.

Eye / face protection Approved safety goggles.

Skin protection – Hand protection Chemical resistant gloves (PVC)

Respiratory protection Wear: Suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description Pellets
Color Various colors
Odor Characteristic

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions. Heating during molding will generate higher levels of formaldehyde vapors which should be vented.

11. TOXICOLOGICAL INFORMATION

Acute toxicity May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Further information No data is available on this product.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Formaldehyde...%	Y	Y	Y 0.1	Y	N	Y	Y	Y 500	Y 100
4,4'- Isopropylidenediphenol	Y	Y	Y 1.0	N	N	N	N	N	N

16. OTHER INFORMATION

Statement of Hazard

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.

TSCA All components are TSCA compliant.

HMIS LABELLING HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 1 PERSONAL PROTECTION: B .