



MATERIAL SAFETY DATA SHEET

Photochromic Plastisol Ink

Page 1 of 3
MSDS086 Revision 1
Revision Date 8/4/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Photochromic Plastisol Ink

Colors Aqua, Green, Gold, Magenta, Orange, Pink, Plum, Red, Rose, Turquoise, Yellow.

Description Photochromic dye in PVC plastisol.

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 ultra violet-indicating products and decorative effects.

2. HAZARDOUS IDENTIFICATION.

Statement of Hazard

Properties

Color	Various colors according to type
Odor	Characteristic
State	Paste

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS
UV photochromic dye	1 – 10%	

4. FIRST AID MEASURES

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

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

Inhalation May cause irritation to mucous membranes. Move the exposed person to fresh air.

Ingestion May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions.
Fire hazards Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation of the working area.
Environmental precautions Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods Absorb with inert, absorbent material. 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 and skin. 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 Use local or central exhaust systems to remove fumes which may arise during any heat curing operation. (These fumes often arise from sizings, starches and other coatings which have been earlier applied to the textiles being printed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures Ensure adequate ventilation of the working area.
Hand protection Chemical resistant gloves (PVC)
Eye protection In case of splashing, wear: Approved safety goggles.
Protective equipment Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description Paste.
Color Various colors according to type.
Odor Characteristic.
Flash point 227°C
Water solubility Immiscible in water.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

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

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 0, PERSONAL PROTECTION: C.



MATERIAL SAFETY DATA SHEET

Photochromic Plastisol Ink (R43)

Page 1 of 4
MSDS087 Revision 2
Revision Date 8/4/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Photochromic Plastisol Ink (R43)
Colors Brown, Charcoal, Cyan, Dark Blue, Purple.
Description Photochromic dye in PVC plastisol.
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 ultra violet-indicating products and decorative effects.

2. HAZARDOUS IDENTIFICATION.

Statement of Hazard
Properties Color Various colors according to type.
State Paste.
Main hazards May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients

	Conc.	CAS
Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4piperidinyl ester)	1 - 10%	41556-26-7
Decanedioic acid, methyl (1,2,2,6,6-pentamethyl-4-piperidinyl ester)	1 - 10%	82919-37-7

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 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. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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	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	Absorb with inert, absorbent material. 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 and skin. 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	Use local or central exhaust systems to remove fumes which may arise during any heat curing operation. (These fumes often arise from sizings, starches and other coatings which have been earlier applied to the textiles being printed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description Paste.
Color Various colors according to type.
Water solubility Immiscible in water.

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT

UN 3082	Packing group III
Class 9	Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, (DECANEDIOIC ESTER).

IMDG

UN 3082	Packing group III
Class 9	Marine pollutant
EmS Code F-A S-F	

IATA

UN 3082	Packing group III
Class 9	Subsidiary risk -
Packing Instruction (Cargo) Y964	Maximum quantity 450 L
Packing Instruction (Passenger) 964	Maximum quantity 450 L

Further information

15. REGULATORY INFORMATION

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Decanedioic	Y	N	N	N	N	N	N	N	N
Decanedioic acid, methyl (1,2,2,6,6-pentamethyl-4-piperidiny ester)	Y	N	N	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.

Revisions

Updated IATA packing instruction in Section 14.

TSCA

All components are TSCA compliant.

HMIS LABELLING

HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0, PERSONAL PROTECTION: C.