
SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: PHOTOCROMIC PLASTISOL INK

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Manufacture UV light triggered colour changing printed items.
- Photochromic Dye in PVC Plastisol. Colourless until exposed to UV light. Develops one of the following colours depending on type: Aqua, Orange , Green, Yellow, Deep Red, Turquoise,, Blue

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: LCR Hallcrest
- Address of Manufacturer: Riverside Buildings,
Dock Road,
Connah's Quay,
Deeside,
Flintshire, CH5 4DS,
Wales. U.K.
- Telephone: +44 (0) 1244 817107
- Email: Sales@lcrhallcrest.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1244 818348
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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Not Classified

2.2 Label elements

- Signal Word: Not Classified
- Hazard statements
No known significant effects or critical hazards
- Precautionary statements
The usual precautions for handling chemicals should be observed
Wear suitable gloves and eye/face protection

2.3 Other hazards

- No information available
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SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- UV photochromic dye
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SECTION 3: Composition/information on ingredients (....)

CAS Number: Proprietary
EC Number: Proprietary
Concentration: 1-10%
Categories: Skin Irrit. 2, Eye Irrit. 2
Symbols: GHS07
H Statements: H315, H319

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Contact with skin
IF ON SKIN: Gently wash with plenty of soap and water.
- Ingestion
Get medical advice/attention if you feel unwell.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

- May cause irritation

4.3 Indication of any immediate medical attention and special treatment needed

- If eye irritation persists: Get medical advice/attention.
 - Seek medical attention if irritation persists
 - IF SWALLOWED: Call a POISON CENTRE/doctor/ if you feel unwell.
 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Use as appropriate: Carbon dioxide (CO₂), Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear suitable respiratory protection
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Ensure adequate ventilation
- Wear protective clothing as per section 8

6.2 Environmental precautions

SECTION 6: Accidental release measures (....)

- Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly.

6.4 Reference to other sections

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

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

7.2 Conditions for safe storage, including any incompatibilities

- Store at ambient temperature

7.3 Specific end use(s)

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- Contains no substances with occupational exposure limit values.

8.2 Exposure controls

- Appropriate engineering controls
Ensure adequate ventilation
 - Individual protection measures
Do not eat, drink or smoke when using this product.
 - Eye / face protection
Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
 - Skin protection - hand protection
Wear protective gloves in cases of prolonged contact (DIN EN 374).
 - Respiratory protection
Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator fitted with the following cartridge: Organic vapour filter. Gas filter, type A2. EN 136/140/141/145/143/149
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Paste
 - Colour: Various
 - Odour: Characteristic odour
 - Boiling Point/Range: 218°C
 - Flashpoint: 227°C
 - Specific Gravity: 1.19 g/cm³
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SECTION 9: Physical and chemical properties (....)

- Solubility in water: Insoluble in water

9.2 Other information

- Volatile Organic Compound Content <0.01%
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SECTION 10: Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No special requirements

10.5 Incompatible materials

- Avoid contact with oxidising substances

10.6 Hazardous decomposition products

- Burning produces obnoxious and irritating fumes.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute toxicity
No information available
- Skin corrosion/irritation
No information available
- Serious eye damage/irritation
May cause irritation
- Respiratory or skin sensitisation
No information available
- Germ cell mutagenicity
No information available
- Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- Reproductive toxicity
No information available
- STOT-single exposure
No information available
- STOT-repeated exposure
No information available
- Aspiration hazard
No information available

SECTION 11: Toxicological information (....)

SECTION 12: Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Insoluble in water

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Absorb spillage in inert material and shovel up
 - Disposal should be in accordance with local, state or national legislation
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SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not Classified
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H319: Causes serious eye irritation.

This information supplied in this Safety Data Sheet is designed only as guidance for the safe use and storage 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 only relates 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.

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