

## SAFETY DATA SHEET Photochromic Plastisol Ink

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MSDS086 Revision 3  
Revision Date 06/23/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	Photochromic Plastisol INK		
<b>Additional Names</b>	None		
<b>Description</b>	Photochromic dye in PVC plastisol		
<b>Intended Use</b>	Manufacture of ultra violet-indicating products and decorative effects.		
<b>Company</b>	LCR Hallcrest 1911 Pickwick Lane Glenview IL 60026 USA		
<b>Web</b>	<a href="http://www.hallcrest.com">www.hallcrest.com</a>		
<b>Telephone</b>	+1 847 998 8580		
<b>Fax</b>	+1 847 998 6866		
<b>Email</b>	<a href="mailto:sales@hallcrest.com">sales@hallcrest.com</a>		
<b>Emergency telephone number</b>	Chemtel	Domestic:	800-255-3924
		Intl:	+01-813-248-0585

### 2. HAZARDS IDENTIFICATION.

<b>GHS Classification</b>	Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Toxicity Acute 3 – Harmful to aquatic life Aquatic Toxicity Chronic 3 – Harmful to aquatic life with long lasting effects.
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#### GHS Label Elements Pictograms



<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Toxicity Acute 3 – Harmful to aquatic life

**Precautionary Statement**

Aquatic Toxicity Chronic 3 – Harmful to aquatic life with long lasting effects.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

P321 Specific treatment (see ... on this label)

P363 Wash contaminated clothing before reuse

P302+P352 IF ON SKIN: Wash with soap and water

P333+P313 If skin irritation or a rash occurs: Get medical advice/attention

P501 Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS.			
Hazardous ingredients	Classification	Conc.	CAS
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Aquatic Chronic 2, Skin Sens 1	<1.0%	41556-26-7
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	Aquatic Chronic 2, Skin Sens 1	<0.5%	82919-37-7

**4. FIRST AID MEASURES**

**Description of 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.

**Most important symptoms and effect, both acute or delayed.**

- Skin contact** Avoid contact with skin. Irritating to skin.
- Eye contact** Irritating to eyes.
- Inhalation** Irritant, moderate respiratory.
- Ingestion** Ingestion may cause nausea and vomiting.

**Indication of any immediate medical attention and special treatment needed**

- Skin contact** May cause sensitization by skin contact. Wash off immediately with plenty of soap and water.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media** Use extinguishing media appropriate to the surrounding fire conditions.

**Specific hazards arising from the chemical** Burning produces irritating, toxic and obnoxious fumes.

**Special protective actions for fire-fighters** Wear suitable respiratory equipment when necessary.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, protective equipment and emergency procedures** 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.

**Methods and material for containment and cleaning up** Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal.

#### 7. HANDLING AND STORAGE

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

**Conditions for safe storage, including incompatibilities:** Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

**Specific end uses:** Keep away from sources of ignition – No smoking

**Further Information:** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Limits

Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 82919-37-7, EC No: 280-060-4 TLV  
 TWA: - TLV STEL:- VLE 8h- VLE short:  
 None

##### Control Parameters

##### Individual Protection Measures

**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.

**Environmental Exposure Controls** Appropriate local exhaust ventilation is required.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Paste  
**Colors** Various colors according to type  
**Odor** Characteristic  
**Odor threshold** N/A  
**pH** No testing available  
**Melting Point/Freezing Point** No testing available  
**Initial Boiling Point and Boiling Range** No testing available.  
**Flash Point** 227°C  
**Evaporation rate** No testing available.  
**Flammability** No testing available.  
**Upper/Lower Flammability or Explosive Limits** No testing available.  
**Vapor Pressure** No testing available.  
**Solubility** Miscible in water.  
**% Volatiles (by volume)** No testing available.  
**Viscosity** No testing available.

#### 10. STABILITY AND REACTIVITY

**Reactivity** No data available  
**Chemical Stability** Stable under normal conditions.  
**Possibility of hazardous reactions** No significant hazard

**Conditions to avoid** Protect from frost.  
**Incompatible materials** No data available  
**Hazardous Decomposition Products** Formaldehyde may be generated and other harmful fumes.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological Information**

41556-26-7 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Rat Oral > 2000mg

**Skin corrosion/irritation** No test data available

**Serious eye damage/irritation** No test data available

**Respiratory or skin sensitization** No test data available

**Germ cell mutagenicity** No test data available

**Carcinogenicity** No test data available

**Reproductive toxicity** No test data available

**STOT-single exposure** No test data available

**STOT-repeat exposure** No test data available

**Aspiration hazard** No test data available

**Likely routes to exposure**

**12. ECOLOGICAL INFORMATION**

**Toxicity** 41556-26-7 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate  
 EC50 20 mg/L (Daphnia) EC50 (3h) > 100 mg/L (Bacteria) LC50 (96h) (static) 7.9 mg/L (Fish)

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Other adverse effects** No data available

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods** Absorb with inert, absorbent material.

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

**Disposal Methods** Do not empty into drains; dispose of this material and its container in a safe way.

**14. TRANSPORT INFORMATION**

**UN Number** This product is not classified as dangerous for carriage.

**UN Proper Shipping Name** This product is not classified as dangerous for carriage.

**Transport Hazard class(es)** This product is not classified as dangerous for carriage.

**Packing Group (if applicable)** This product is not classified as dangerous for carriage.

**Environmental Hazards** This product is not classified as dangerous for carriage.

**Special Precautions for the User** This product is not classified as dangerous for carriage.

**DOT** This product is not classified as dangerous for carriage.

**IMDG** This product is not classified as dangerous for carriage.

**IATA** This product is not classified as dangerous for carriage.

**Further Information**

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

**15. REGULATORY INFORMATION**

**16. OTHER INFORMATION**

**Revision** Revision 3 6/23/2015: Major revision to include the requirements of the HCS/HazCom 2012 Final Rule.

**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 B