

SAFETY DATA SHEET Photochromic Plastisol Ink

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MSDS086 Revision 3
Revision Date 06/23/2015

1. PRODUCT AND COMPANY IDENTIFICATION

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

2. HAZARDS IDENTIFICATION.

GHS Classification	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



Signal Word	Warning
Hazard Statements	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