

MATERIAL SAFETY DATA SHEET

GN100 - Chiral Gravure Ink

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MSDS102 Revision 1
Revision Date 10/10/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Chiral Gravure Ink
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

2. HAZARDS IDENTIFICATION

Statement of Hazard Contains ingredients which are Irritating to eyes, respiratory system and skin.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Properties Color Tan
Odor Mild
State Liquid

3. COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous Ingredients

	Conc.	CAS
Triethylamine	0.5 – 1%	121-44-8
1,2-Propanediol	1 – 10%	57-55-6
Fluorinated surfactant	0 – 0.5%	1017237-78-3

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

	ACGIH TLV TWA: 1 ppm	ACGIH TLV STEL: 3 ppm
Triethylamine	Notations: Skin; A4	OSHA PEL 8hr TWA ppm: 25
	OSHA PEL 8hr TWA mg m3: 100	Skin Designation: -

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	Liquid
Color	Tan
Odor	Mild
Boiling point	100°C

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Toxicological information

Triethylamine	Oral Mouse LD50 = 546 mg/kg Oral Rat LD50 = 460 mg/kg Dermal Rabbit LD50 = 570 uL/kg
1,2-Propanediol	Oral Mouse LD50 = 20300 mg/kg Oral Rat LD50 = 20 gm/kg Dermal Rabbit LD50 = 20800 mg/kg

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

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Pentylphenyl	Y	Y	Y 1.0	N	N	Y	Y	N	N
1,2-Propanediol	Y	Y	N	N	N	N	N	N	N
Fluorinated surfactant	N	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.

TSCA

All components are TSCA compliant. This material contains a chemical which requires export notification under TSCA Section 12[b]: C.A.S. No 1017237-78-3
 Regulation Status : Toxic Substances Control Act (TSCA) 5 SNUR or Consent Order Chemicals Applicable.