

GC Electronics
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Product Name: Silver Print II
MSDS Number: 278
Revision Date: 9/18/03
Supersedes Date: 9/5/02

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type:	Resin Mixture	Emergency Contact:	Chemtrec
Product Name:	Silver Print II	Phone (24 hours):	(800) 424-9300
Part Number(s):	22-023 22-024		

Section 1 - Identification of Product

HMIS Rating		Least	0
Health	2	Slight	1
Flammability	3	Moderate	2
Reactivity	0	High	3
Personal Protection	B	Extreme	4
Gloves, safety glasses	B		

Section 2 - Hazardous Ingredients

Name	CAS#	OSHA PEL	ACGIH TLV	MAX %
*Acrylic Resin	NA	NA	NA	
Silver	7440-22-4	0.01mg/m ³	0.1mg/m ³	
Glycol ether PM Acetate	108-65-6	NE	NE	
**Trimethylbenzene	25551-13-7	25 ppm	25 ppm	21.0%
**Cumene	98-82-8	50 ppm (skin)	50 ppm	5.0%
**Xylene	1330-20-7	100ppm	100ppm	5.0%

**Subject to the reporting requirements of Section 313 of SARA Title III. See Section 10 Regulatory Information. All components of this product are listed in the TSCA registry.

*Exact identity withheld as a trade secret.

Section 3 - Physical Data

Flash Point: (pmcc)	27°C
Boiling Point:	137°C
Vapor Density:	>Air
Evaporation Rate:	>nBuAc
% Volatile by Vol.:	80
Specific Gravity:	1.6
Solubility in Water:	Slight
Vapor Pressure:	6.6mm Hg
Appearance:	Silver Liquid
Odor:	Solvent odor

Section 4 - Fire & Explosion Hazard Data

Extinguishing Media: Water fog, carbon dioxide, foam or dry chemical.
Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.
Unusual Fire & Explosion Hazards: Keep containers tightly closed. Water may be used to cool unruptured containers.

Section 5 - Health Hazard Data

Primary Routes of Exposure: __4_Dermal_4_Eye__4_Inhalation__Ingestion
Eye Contact: Contains ingredients which are irritating to the eyes. Symptoms may include blurred vision, burning sensation and tearing.
Skin Contact: Contains materials which cause moderate skin irritation. This product may cause skin sensitization or allergic reactions which may be severe with certain people. Symptoms include rash, itching, hives and swelling of extremities. Prolonged or repeated exposure may cause a defatting or drying action to skin.
Inhalation: Excessive inhalation of vapors can cause nasal/respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea and headache.
Ingestion: Product is harmful if swallowed.
Chronic Health Effects: Contains ingredients that may cause birth defects based on animal data. Contains ingredients that may cause organ damage.
Medical Conditions Prone to Aggravation by Exposure: Preexisting disorders of the skin and/or eyes.
Emergency First aid Procedures:
Skin: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.
Eyes: Flush eyes with water for at least 15 minutes. Take to a physician for medical treatment.
Inhalation: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician.
Ingestion: Drink plenty of water to dilute. Do not induce vomiting. Give medical attention immediately. Never give anything by mouth to an unconscious person.

Section 6 - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: High temperatures, high humidity.
Materials to Avoid: Strong oxidizing agents; strong acids or bases

Section 7 - Spill or Leak Procedures

Steps to be Taken in case Material is Released or Spilled:

Spills: Eliminate all ignition sources. Absorb small spills on suitable absorbent and transfer to hood. Stop large spill at source, dike area to prevent spreading and pump liquid to salvage tank. Absorb remaining liquid on suitable absorbent and collect for proper disposal. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities that a spill has occurred.

Waste Disposal Method: Disposal should be done in accordance with Federal (40 CFR Part 261), State and local regulations. Before attempting clean up, refer to hazard caution information in other sections of the MSDS form. Use only licensed hazardous waste disposal companies.

Section 8 - Special Protection Information

Personal Protective Equipment:
Protective Gloves: Use neoprene or other impervious gloves to prevent skin contact.
Eye Protection: Use safety glasses with side shields as minimum protection.
Respiratory Protection: Use approved chemical/mechanical filters designed to remove a combination of particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type respirators or hoods in confined areas.
Ventilation: Sufficient ventilation in pattern and volume to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.134.
Other Protective Equipment: Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.
Hygienic Practices: Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage area. Food or beverages should not be consumed anywhere near where this product is handled or stored.

Section 9 – Special Precautions

Precautions to be Taken in Handling and Storage: Do not store neat heat or open flame.
Other: Empty container should not be reused.

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Section 10 - Regulatory Information
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Transportation:

DOT Proper Shipping Name:	Flammable Liquids N.O.S. (Xylene)
Hazard Class or Division:	3
Packing Group Number:	III
Required Label:	Flammable
UN Number:	1993
Other Requirements:	This product contains trimethylbenzenes which are marine pollutants under 49CFR 172.101, Appendix B.

CERCLA:

If the reportable quantity of this product is accidentally spilled, the incident is subjected to the provisions of the Comprehensive Response compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling 1-800-424-8802. The reportable spill quantity is 20 pounds. This product contains xylene, cumene, trimethylbenzene.

SARA Title III

Under the provisions of the Title III Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories: Delayed Health, Fire.

This product contains the following Section 313 Reportable Ingredients:

Component	CAS#	MAX %
Xylene	1330-20-7	5.0%
Trimethylbenzene	25551-13-7	21.0%
Cumene	98-82-8	5.0%

TSCA Status:

All components of this product are listed on, or exempted from the requirement to be listed on, the TSCA Inventory.

Section 11 - Other Information

NA=Not Available

Na=not applicable

NE=Not Established

ND=Not determined

mppcf=million parts/ft³

mg/M³=milligrams per cubic meter

Disclaimer

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