

# MATERIAL SAFETY DATA SHEET

## #1 NETWORK

### SILVER PRINT PLUS FOUNTAIN SOLUTION

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Synergy Graphics Phone Number: 1-800-521-4042 Emergency Phone: 1-800-424-9300  
Product Name: **SILVER PRINT PLUS FOUNTAIN SOLUTION** Product Number: **620110, 620010, 620200**  
Prepared By: MSDS Author 3 Date Prepared: 08/12/2002

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
ETHYLENE GLYCOL	107-21-1	N.E.	127 mg/m <sup>3</sup> C Vapor	3-10
POLYETHYLENE GLYCOL	25322-68-3	N.E.	N.E.	3-10
DIETHYLENE GLYCOL	111-46-6	10 mg/m <sup>3</sup> TWA aerosol AIHA WEEL		3-10
SILICA, AMORPHOUS, FUMED	7631-86-9	N.E.	2mg/m <sup>3</sup> DUST	1-5

#### 3. HAZARDOUS IDENTIFICATION

##### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation or permanent damage to tissue.

Inhalation: May cause irritation to nasal mucous membranes and respiratory tract.

Ingestion: Acidic nature of solution may cause irritation or corrosion to digestive tract.

Skin Contact: May cause irritation or reddening.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, diarrhea.

#### 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. Call a physician or poison control center.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product.

Supplemental Health Information: Components in this product are listed by IARC, NTP, or OSHA as carcinogens.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

Flash Point: Non-flammable Flash Point Method: Nonflammable Auto-ignition: Not applicable

LEL: Not applicable UEL: Not applicable

Extinguishing Media: Any applicable to the primary cause of the fire.

Special Fire-Fighting Procedures Firefighters should use self-contained breathing apparatus and full protective clothing.

Unusual Fire And Explosion Hazards: None known.

Combustion Products: Carbon dioxide and Carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pretreatment.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use of respiratory protection is generally not required. However, if use conditions generate vapors or fumes, use a NIOSH approved organic vapor respirator.

Ventilation: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

Protective Gloves: Impervious gloves are recommended.

Eye Protection: Chemical safety goggles/splash shield.

Other Protective Clothing or Equipment: Rubber or plastic apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2. Some exposure limits for the components of this product have not been determined by their manufacturers

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Pink liquid, no odor.

Boiling Point: >100° C

Vapor Pressure: 18 mm Hg @ 20° C

Specific Gravity: 1.039 g/ml

Melting Point: Not applicable

Evaporation Rate: N.E.

Vapor Density: N.E.

Molecular Weight: Not applicable Pounds Per Gallon: 8.67

V.O.C. is 70.81 g/L or 6.81% or 0.59lb./gal.

Solubility In Water: Complete

Ph: 5.50

Freezing Point: N.E.

Percent Volatile: 81.28

Other Properties:

## 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: None

Incompatibility: May be incompatible with strong oxidizers.

Hazardous Decomposition Or By Products: May produce oxides of carbon.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: None

## **11. TOXICOLOGICAL INFORMATION**

## **12. ECOLOGICAL INFORMATION**

## **13. DISPOSAL CONSIDERATIONS**

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

## **14. TRANSPORT INFORMATION**

DOT Class: NOT REGULATED

Hazard Class: NONE

UN No.: NONE

Packing Group: NONE

Guide No: NONE

Ship Name: NONE

## **15. REGULATORY INFORMATION**

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: Ethylene Glycol is listed under Sara Title III & the Clean Air Act.

CALIF. PROP. 65: Product contains components whose mixtures contain trace amounts of Acetaldehyde (75-07-0), Vinyl Acetate (108-05-4), 1, 4-Dioxane (123-91-1), Ethylene Oxide (75-21-8), and Formaldehyde (50-00-0). The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65 requires the following information. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. **WARNING:** This product contains trace levels of ACETALDEHYDE, VINYL ACETATE, 1, 4-DIOXANE, ETHYLENE OXIDE, and FORMALDEHYDE – known to the State of California to cause cancer, birth defects or other reproductive harm. **CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS PRESENT IN LEVELS REPORTABLE BY IARC, NTP, OR OSHA AS A CARCINOGEN.**

## **16. OTHER INFORMATION (HMIS)**

Health: 1

Flammability: 0

Reactivity: 0

Protective: B

**OTHER ADDITIONAL INFORMATION:** The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein