

MATERIAL SAFETY DATA SHEET

#1 NETWORK

A-155

COLDSET PRINTING FOUNTAIN SOLUTION

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Optima, LLC Phone Number: 1-800-521-4042
Product Name: **A-155**
Prepared By: MSDS Author 3

Emergency Phone: 1-800-424-9300
Product Number: **23862**
Date Prepared: 11/07/2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
ETHYLENE GLYCOL	107-21-1	125mg/m ³	127 mg/m ³	5-10
GUM ARABIC	MIXTURE	N.E.	N.E.	5-10
MAGNESIUM NITRATE	13446-18-9	N.E.	N.E.	1-5
ANIONIC SURFACTANTS	MIXTURE	N.E.	N.E.	1-5

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation.

Inhalation: Can cause mild irritation.

Ingestion: May cause irritation to mucus membrane.

Skin Contact: May cause irritation or reddening.

Signs And Symptoms Of Exposure: Overexposure by skin or eye contact may include skin irritation with discomfort or rash, or eye irritation with discomfort, tearing, or blurring of vision. By inhalation, effects may include irritation of the upper respiratory passages with coughing and discomfort. By ingestion, effects may include gastritis.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 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: Induce vomiting. Get medical attention immediately.

Skin Contact: Wash skin with plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Dermatitis

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Nonflammable

Flash Point Method: Not applicable

Auto ignition: Not applicable

LEL: Not applicable

UEL: Not applicable

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

Special Fire -Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent

contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products.
Unusual Fire And Explosion Hazards: None
Combustion Products: Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

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 during cleanup. For small amount less than one gallon flush to sewer with large amounts of water if permitted. For larger spills, dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry, or other absorbent material. Absorb spillage in inert material. Remove non-usable solid material and/or contaminated soil for disposal. Discharge to sewer may require approval of local authorities. Contaminated surfaces may be cleaned using water.

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. Do not reuse containers. Triple rinse before disposal.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. A respirator should be worn if hazardous decomposition products are likely to be or have been released. Respirator type: Acid gas.

Ventilation: Good ventilation of 10 room volumes per hour. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

Protective Gloves: Latex, rubber, or neoprene waterproof gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles).

Other Protective Clothing or Equipment: Wear appropriate equipment to prevent probability of exposure and personal contact.

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 eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear straw colored liquid with slight alcohol odor.

Boiling Point: N.E.

Melting Point: Not applicable

Vapor Density: N.E.

Molecular Weight: Not applicable

VOC is 71.09 g/L or 6.65% or 0.59 lb. /gal.

Vapor Pressure: N.E.

Freezing Point: -5° C

Percent Volatile: 76

Pounds Per Gallon: 8.9

Solubility In Water: Complete

Specific Gravity: 1.069

Evaporation Rate: N.E.

Ph: 3.38

Other Properties:

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Under the influence of heat and light a light discoloration can occur as the formation of a

precipitate
Incompatibility: None
Hazardous Decomposition Or By Products: None
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.: NOT APPLICABLE
Packing Group:
Guide No:
Ship Name:

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.
SARA TITLE III: Glycol ethers are listed under Sara Title 313. Magnesium Nitrate, Hexahydrate is listed as a Nitrate Compounds, Water Dissociable under 313.
CALIF. PROP. 65: None
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS PRESENT AT LEVELS REQUIRING LISTING BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 2
Flammability: 0
Reactivity: 0
Protective: C

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