

NETWORK SAFE MRC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Photo Systems, Inc.** Product Name: **SAFE MRC**
Photo Systems, Inc., 7200 Huron River Dr., Dexter, MI 48130
Product Number: **23804** Date Prepared: 09/17/2007
Customer Information Phone Number: 1-800-521-4042
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS</u> | <u>OHSA PEL</u> | <u>ACGIH TLV</u> | <u>Weight %</u> |
|---------------------------------|------------|-----------------|------------------|-----------------|
| DIPROPYLENE GLYCOL | | | | |
| MONOBUTYL ETHER | 29911-28-2 | N.E. | N.E. | 45-55 |
| SODIUM XYLENE SULFONATE MIXTURE | | N.E. | N.E. | 15-20 |
| ALIPHATIC HYDROCARBON | 64742-47-8 | N.E. | N.E. | 5-10 |
| PROPYLENE GLYCOL | | | | |
| PHENYL ETHER | 770-35-4 | N.E. | N.E. | 1-5 |

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation and burns.

Inhalation: Gas or vapor in high concentrations may be irritating to respiratory tract. Breathing small amounts of this material during normal handling is not likely to cause harmful effects.

Breathing large amounts of solvent vapors are hazardous and may cause nausea, sickness, and headaches.

Ingestion: Irritation of the mouth, esophagus, and stomach can develop following ingestion.

Pneumonia may be the result if vomited material enters the lungs. Vapor may affect the central nervous system and cause headache, discomfort, vomiting, or intoxication.

Skin Contact: May cause irritation or reddening. Prolonged or repeated contact leads to drying of the skin.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dizziness, fatigue, headache, unconsciousness or asphyxiation.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes, while lifting the eyelids.

Make sure to remove any lenses from the eyes before rinsing. If symptoms persist or there is any visual difficulty, seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Place unconscious person on the side in recovery position and ensure breathing.

Keep the person warm and at rest. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of milk or water. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Rinse mouth thoroughly. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Continue to rinse for 15 minutes. Wash

contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Allergies, chronic fumes from this product may exacerbate asthma.
Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as a carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: 205° F

Flash Point Method: PMCC

Auto ignition: N.E

LEL: 0.6

UEL: 20.4

Extinguishing Media: Water fog or fine spray. Carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) preferred if available. Do not use direct water stream. Product will float and can be re-ignited on surface of water.

Special Fire-Fighting Procedures: The use of SCBA positive pressure self-contained breathing apparatus is recommended for firefighters and full protective clothing. Water spray may used to cool containers exposed to heat or flame.

Unusual Fire And Explosion Hazards: Vapors are heavier than air and may travel along the ground. Risk of explosion in closed containers if pressure rises rapidly.

Combustion Products: Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Spills of these organic liquids on hot fibrous insulations may lead to lowering of the auto ignition temperatures possibly resulting in spontaneous combustion.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Wear appropriate respirator and other protective clothing. Use water to keep fire exposed containers cool and disperse vapors. Contain the spill. Remove with vacuum or soak up residue with an absorbent such as clay, sand, or other inert non-combustible material. Place in non-leaking containers and seal tightly for proper disposal. Flush area with water to remove trace residue and dispose of flush solution as above.

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, such as oxidizers. Protect from light, including direct sunlight. Do not store or consume food, drink, or tobacco where they may become contaminated with this material. Mechanical ventilation or local exhaust may be required.

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. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use an approved air-purifying respirator if needed.

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.

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 an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear liquid with propyl ether odor.

Boiling Point: 205° C

Specific Gravity: 0.96

Freezing Point: < -20° C

Evaporation Rate: N.E.

Percent Volatile: 89.15

Ph: Not applicable

Molecular Weight: Not applicable

V.O.C. is 662.6 gm/L, or 68.7 %, or 5.52 lb. /gal.

Solubility In Water: Complete

Melting Point: Not applicable

Vapor Density: N.E.

Pounds Per Gallon: 8.03

Vapor Pressure: 0.06 mm/Hg at 68°F

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Product can oxidize at elevated temperatures.

Incompatibility: Avoid contact with strong oxidizing agents, strong alkalis, and strong mineral acids.

Hazardous Decomposition Or By Products: Carbon dioxide, carbon monoxide, aldehydes, ketones, and organic acids.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Do not dump into any sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION

This material is not regulated as a Combustible Liquid for transportation. It does not meet the criteria specified in Section 173.120.5b of 49 CFR. Specifically, its flashpoint is greater than 200 ° F.

DOT Class: NOT REGULATED

Hazard Class: NOT REGULATED

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: NONE

CALIF. PROP. 65: Product has components whose mixtures contain trace amounts of Benzene and Toluene. 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 Benzene and toluene – known to the State of California to cause cancer, birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 663 g/L

Vapor Pressure: 0.06 mm Hg@ 20° C

16. OTHER INFORMATION (HMIS)

Health: 1

Flammability: 1

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.