NETWORK MRC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.
Product Number: **23145**
Customer Information Phone Number:
Product Name: **MRC**
Date Prepared: 09/14/2007
1-800-521-4042
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
HEPTANE	142-82-5	500 ppm	400 ppm TWA	60-80
2-PROPANONE	67-64-1	1000 ppm TWA	500 ppm	10-30

3. HAZARDOUS IDENTIFICATION

Emergency Overview: **DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR**

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe irritation with stinging, tearing, redness, and pain.
Inhalation: Inhalation of vapor in high concentrations irritating to respiratory tract. May cause coughing, dizziness, dullness and headache. Higher concentrations can produce CNS depression, narcosis, irregular heartbeat, loss of coordination, and unconsciousness.
Ingestion: Ingestion can produce abdominal pain, spasms, nausea, and vomiting. Pneumonia and severe lung damage may be the result if material is aspirated into the lungs. Other symptoms parallel inhalation.
Skin Contact: May cause irritation or reddening. Prolonged or repeated contact leads to drying of the skin. Can be absorbed through the skin.
Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dizziness, fatigue, headache, stomach upset, nausea, vomiting, diarrhea, loss of coordination, irregular heartbeat, or unconsciousness.

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. Get immediate 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: Aspiration hazard. If swallowed, DO NOT induce vomiting. Give large quantities of 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. Inhalation of high concentrations of this material as could occur in an enclosed space may be associated with cardiac arrhythmia.
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: Persons with pre-existing of the following organs may be aggravated by exposure to this material: skin disorders, lung (for asthma-like conditions), auditory system and individuals with preexisting heart disorders. Alcoholic beverage consumption can enhance the toxic effects of this substance. 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: < 20° F Flash Point Method: TCC Auto ignition: 399°F
LEL: 1.1 UEL: 6.7

Extinguishing Media: 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. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures protect personnel and disperse vapors.

Special Fire-Fighting Procedures: The use of SCBA positive pressure self-contained breathing apparatus is recommended for firefighters and full protective clothing.

Unusual Fire And Explosion Hazards: Material is highly volatile. Above flashpoint, vapor-air mixtures are explosive within flammable limits noted above. Vapors are heavier than air and may travel along the ground to distant ignition sources and flash back. Contact with strong oxidizers may cause a fire. Risk of explosion in closed containers if pressure rises rapidly. Never use welding or cutting torch on or near drum (even empty) because product (even residue) can ignite explosively. May produce a floating fire hazard. Sensitive to static charge.

Combustion Products: Carbon dioxide and monoxide, various hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: **Flammable** material. Ventilate area. **Eliminate potential sources of ignition.** Wear appropriate respirator and other protective clothing. Persons not wearing protective equipment should be excluded from the area of spill. Use water to keep fire exposed containers cool and disperse vapors. Contain the spill. Remove with vacuum or pump to transfer spilled product to clean containers for recovery or soak up residue with an absorbent such as clay, sand, or other inert non-combustible material. Do not use sawdust. Use non-sparking tools. Place in non-leaking containers and seal tightly for proper disposal. Do not flush to sewer. CERCLA requires reporting spills in excess of RQ.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Flammable. Keep away from heat, sparks, and open flame. 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. All five-gallon pails or larger should be grounded and/or bonded when material is transferred to eliminate static electric sparks. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment may result in ignitions. 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: If exposure limit is exceeded, a half-face organic vapor respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified. A full-face piece respirator organic vapor respirator may be worn up to 50 times the exposure limit. WARNING: Air-purifying respirators for not protect workers in oxygen-deficient atmospheres.
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 and/or a full face shield.
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. Do not smoke in work area.
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 colorless liquid with sweet hydrocarbon odor.

Solubility In Water: Negligible	Boiling Point: 133° - 200 ° F	Specific Gravity: 0.70
VOC Vapor Pressure: 26.8 mmHg@ 20°C		Melting Point: Not applicable
Freezing Point: N.E.	Evaporation Rate: N.E.	Vapor Density: N.E.
Percent Volatile: 100.0	Ph: Not applicable	
Molecular Weight: Not applicable	Pounds Per Gallon: 5.84	

V.O.C. is 545.9 gm/L, or 77.9%, or 4.5 lb. /gal.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.
Conditions To Avoid: Heat, flames, ignition sources.
Incompatibility: Avoid contact with strong oxidizing agents. Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, nitrogen tetraoxide, and potassium t-butoxide.
Hazardous Decomposition Or By Products: Carbon dioxide and carbon monoxide, various hydrocarbons.
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. Incinerate at a RCRA approved waste facility.

14. TRANSPORT INFORMATION

DOT Class: FLAMMABLE LIQUIDS, N.O.S. (Contains Heptane and 2-Propanone)
Hazard Class: 3
UN No.: UN1993
Packing Group: II
Guide No.: 128

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.
SARA TITLE III: NONE
CERCLA: 2-PROPANONE is listed.
CALIF. PROP. 65: None.
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 1
Flammability: 3
Reactivity: 0
Protective: B

SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 545.9gm/L (acetone exempt)
VOC Partial Vapor Pressure: 26.8 mmHg@ 20°C (acetone exempt)

OTHER ADDITIONAL INFORMATION: The information and recommendations contained herein are based on data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.