

NETWORK LOW V.O.C. 830 WATER MISCIBLE WASH

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Photo Systems Inc.** Product Name: **LOW VOC 830**
Photo Systems, Inc., 7200 Huron River Dr., Dexter, MI 48130
Product Number: **23842** Date Prepared: 09/17/2007
Customer Information Phone Number: 1-734-521-4042
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>
METHYL ESTER	67784-80-9	N.E.	N.E.	60-70
ALIPHATIC HYDROCARBON	64742-47-8	N.E.	N.E.	10-20
PROPYL ETHER BLEND	MIXTURE	N.E.	N.E.	1-5
TERPENE SOLVENT	5989-27-5	N.E.	N.E.	1-3

3. HAZARDOUS IDENTIFICATION

Emergency Overview: Contains Petroleum Distillates! Harmful or fatal if swallowed. May cause lung damage.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause irritation to the eyes.

Inhalation: Gas or vapor in high concentrations may irritate respiratory tract. Solvent vapors are hazardous and may cause nausea, sickness, vomiting and headaches.

Ingestion: Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Aspiration of materials into the lungs can cause chemical pneumonitis.

Skin Contact: May cause irritation and allergic skin reaction. Prolonged or repeated contact leads to drying of skin.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, nausea, vomiting, headaches, skin irritation, mucus membrane irritation, or intoxication.

4. FIRST AID MEASURES

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Hold the eyelids apart to ensure complete irrigation of the eye and eyelid tissue. Get immediate medical attention if irritation persists.

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 because of danger of aspiration into the lungs.

Give large quantities of water. If spontaneous vomiting occurs, monitor breathing difficulty.

Never give anything by mouth to an unconscious person. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Wash contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Allergies, chronic asthma may be exacerbated by fumes from this

product.

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: 170°F

Flash Point Method: TCC

Auto ignition: 440°F

LEL: 1.0

UEL: 6.0

Extinguishing Media: Alcohol resistant foam, dry chemicals, sand, dolomite, etc.

Special Fire-Fighting Procedures: Water spray may be ineffective on fire but may protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Containers close to the fire should be removed or cooled with water. Do not get water inside container. Let small fires burn unless the leak can be stopped immediately and safely. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves and rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

Unusual Fire And Explosion Hazards: COMBUSTIBLE! Keep container tightly closed. Isolate from oxidizers, heat, and open flames. Closed containers may explode if exposed to extreme heat.

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. Avoid contact with skin and eyes. Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flame, and smoking. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. 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 pre-treatment. Contaminated surfaces should 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. Triple rinse before disposal. Dispose of in a licensed facility.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Provide adequate general and local exhaust ventilation. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for organic vapors should be worn.

Ventilation: Use of local exhaust is recommended to control process emissions near the source. Ventilation rates should match conditions of use to keep airborne concentrations of vapor

and/or mists below exposure limits.

Protective Gloves: Impervious gloves recommended.

Eye Protection: Safety glasses with side shields (or goggles) or goggles and 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. Use engineering controls to reduce air contamination to permissible exposure levels.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear blue solution with slight lemon odor.

Solubility In Water: Miscible

Vapor Pressure: 1.46 mmHg

Evaporation Rate: Slower than ethyl ether

Percent Volatile: 29.6

Molecular Weight: Not applicable

V.O.C. = 256 g/L or 29.6% or 2.13 lbs/gal.

Boiling Point Range: 355°F -520°F

Specific Gravity: 0.86

Vapor Density: Heavier than air

Ph: Not applicable

Pounds Per Gallon: 7.2

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Isolate from oxidizers, heat, and open flame.

Incompatibility: Isolate from strong oxidizers and alkalies

Hazardous Decomposition Or By Products: Methanol may be evolved in hydrolyzed or saponified. Carbon monoxide and carbon dioxide may evolve under extreme conditions.

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.

14. TRANSPORT INFORMATION

This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (1).

In summary, for non-bulk domestic ground shipments:

DOT Class: Not Regulated

Hazard Class: Not Applicable

UN No.: Not Applicable

Packing Group:
Guide No.:

If this material is offered for domestic ground shipment in bulk (a packaging which has a maximum capacity greater than 119 gallons as a receptacle for a liquid), then the material is regulated. Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (2).

In summary, for bulk domestic ground shipments:

DOT Shipping Name: Combustible Liquid, N.O.S. (Contains petroleum distillates)
Hazard Class: Combustible
UN No.: NA 1993
Packing Group: III
Guide No. 128

The domestic provisions provided for in non-bulk and bulk ground shipments are not valid for transportation by aircraft or vessel and they are not valid for international shipments. Please follow the appropriate DOT regulations in 49 CFR and the information referenced where appropriate in the IATA Dangerous Goods Transportation Regulation, the International Maritime Organization (IMO), the International Civil Aviation Organization (ICAO) and our NAFTA partner hazardous material regulation requirements.

15. REGULATORY INFORMATION

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

SARA TITLE III: None

CALIF. PROP. 65: This product contains a mixture which includes trace amounts of Ethylene Oxide (Cas # 75-21-8), 1, 4-dioxane (Cas # 13-91-1), Acetaldehyde (Cas # 75-07-0), and Formaldehyde (Cas # 50-00-0). The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 or Proposition 65. 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 Ethylene Oxide- known to the State of California to cause cancer or other reproductive harm. 1, 4-Dioxane, Acetaldehyde, and Formaldehyde are known to cause cancer.

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: 256
Vapor Pressure: 1.46 mmHg@ 20 Degrees C

16. OTHER INFORMATION (HMIS)

Health: 1
Flammability: 2
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.