

# NETWORK PRO ONE AR-HAC

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Photo Systems, Inc.** Product Name: **PRO ONE AR-HAC**  
Photo Systems, Inc., 7200 Huron River Dr., Dexter, MI 48130  
Product Number: **23046** Date Prepared: 09/14/2007  
**Customer Information Phone Number: 1-410-273-7000**  
**CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300**  
**3 E COMPANY: 24 Hour Medical Emergency Phone Number: 1-800-451-8346**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
2-BUTOXY ETHANOL	111-76-2	120mg/m <sup>3</sup> TWA	121 mg/m <sup>3</sup>	50-70
ETHYL-2-HYDROXY-PROPIONATE	97-64-3	N.E.	N.E.	30-40

## 3. HAZARDOUS IDENTIFICATION

Emergency Overview: **WARNING! This product is combustible.**

### POTENTIAL HEALTH EFFECTS

Eye Contact: Causes severe irritation and burns, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling.

Inhalation: High concentrations of vapor cause irritation to the respiratory tract, experienced as nasal discomfort, discharge, chest pain, and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur.

Ingestion: Moderately toxic. May cause headache, dizziness, in coordination, nausea, vomiting, diarrhea and general weakness. Ingestion of significant quantities may result in red blood cell hemolysis.

Skin Contact: May cause irritation or reddening with itching.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, central nervous system depression, dermatitis, difficulty breathing, nausea, diarrhea, headache, blood in the urine, kidney and liver damage.

## 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. DO NOT remove contact lenses, if worn. Get immediate medical attention, preferably from an ophthalmologist.

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

Ingestion: Seek medical attention or contact a poison control center for advice about whether to induce vomiting. If conscious, give two glasses of water. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down.

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: Skin contact may aggravate an existing 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: > 61° C

Flash Point Method: TCC

Auto ignition: N.E.

LEL: 1.1 (2-butoxy ethanol)

UEL: 0.6

Extinguishing Media: Apply alcohol-type or all-purpose-type foam, carbon dioxide or dry chemical  
Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full-face piece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Do not direct a solid stream of water into hot, burning pools; this may cause frothing and increase fire intensity.

Unusual Fire And Explosion Hazards: Combustible liquid. The components in this material may produce a floating fire hazard in extreme fire conditions.

Combustion Products: Carbon monoxide and carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Eliminate all sources of ignition including pilot lights. Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sand, or soil. 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. Recommend incinerate in a furnace where permitted.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: **Combustible.** 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: Containers of this material may be hazardous when empty since they may contain product residues (vapor, liquid, and/or solid). 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. Store separate from oxidizing agents.

Process Hazard: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperatures and pressure, or sudden ingress of air into hot equipment under vacuum, may result in ignitions without the presence of obvious ignition sources.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: A self-contained breathing apparatus is recommended when handling the

concentrated product in high vapor concentrations.

Ventilation: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits and to prevent vapors escaping into the workplace air.

Protective Gloves: Butyl gloves are recommended.

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

Other Protective Clothing or Equipment: Rubber 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear liquid, specific smell.

Solubility In Water: Miscible

Boiling Point: 153-171° C

Vapor Pressure: 1.2 mm Hg

Specific Gravity: 0.94

Melting Point: Not applicable

Freezing Point: N.E.

Evaporation Rate: N.E.

Vapor Density: Heavier Than Air

Percent Volatile: 100

Ph: Not applicable

Molecular Weight: Not applicable

Pounds Per Gallon: 7.87

Other Properties:

V.O.C. is 944.0 g/L or 100% or 7.87 lb. /gal.

## 10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Do not distill to dryness. High temperatures in the presence of strong bases.

Incompatibility: Strong alkalis, strong oxidizing agents, and acids.

Hazardous Decomposition Or By Products: Carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: None known.

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

Incinerate in a furnace where permitted under Federal, state, and local regulations. At very low concentrations in water, the glycol in this product is biodegradable in a biological wastewater treatment plant.

## 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 Ethyl Lactate and 2-Butoxy Ethanol)  
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 NFTA 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: This product contains 2-Butoxy Ethanol which is listed under Sara Title 313.  
CALIF. PROP. 65: NONE  
CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

### SCAQMD Rule 443.1

Photochemically Reactive: No  
Maximum Grams of VOC per Liter: 787gm/L  
Vapor Pressure: 1.2 mm Hg@ 20 Degrees C

## 16. OTHER INFORMATION (HMIS)

Health: 2  
Flammability: 2  
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.