

# NETWORK PRO ONE AR-KDC

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Photo Systems Inc.** Product Name: **PRO ONE AR-KDC**  
Photo Systems, Inc., 7200 Huron River Dr., Dexter, MI 48130  
Product Number: **23171** Date Prepared: 09/13/2007  
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>
ETHYLENE GLYCOL	111-76-2	50 ppm TWA	20 ppm TWA	40-60
MONOBUTYL ETHER 1, 2-PROPANEDIOL	57-55-6	N.E.	N.E.	20-30

## 3. HAZARDOUS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe eye irritation. May cause moderate corneal damage. Effects may include discomfort or pain and redness.

Inhalation: High concentrations of vapor cause irritation to the respiratory tract (nose and throat). Symptoms may include headache.

Ingestion: Moderately toxic. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. Ingestion may cause nausea and vomiting.

Skin Contact: Brief contact may cause slight skin irritation and local redness.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficult breathing, abdominal pain, skin irritation, mucus membrane irritation, coughing, nausea, diarrhea.

## 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue flushing for at least 15 minutes. 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: Do not induce vomiting. Seek medical attention immediately. If conscious, give 1 glass of water. If medical advice is delayed and if an adult has swallowed several ounces of chemical, then give 3-4 ounces of hard liquor such as 80 proof whiskey.

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: > 200° F

Flash Point Method: CC

Auto ignition: N.E.

LEL: 1.1 (for ethylene glycol monobutyl ether)

UEL: 10.6

Extinguishing Media: Apply alcohol-type or all-purpose-type foam by manufacturer's technique for large fires. Use carbon dioxide or dry chemical media for small fires.

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. Burning liquids may be extinguished by dilution with water.

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

Combustion Products: Carbon monoxide and carbon dioxide.

## 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 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. At very low concentrations in water, this product is biodegradable in a biological wastewater treatment plant.

## 7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well ventilated area. Keep away from heat, sparks, and flame. 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. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use. Store separate from oxidizing agents.

## 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: Chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

Other Protective Clothing or Equipment: Rubber apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hand 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 colorless liquid, mild solvent odor.	Solubility In Water: Complete	
Boiling Point: 215° F	Pounds Per Gallon: 7.99	Specific Gravity: 0.96
Melting Point: Not applicable	Freezing Point: N.E.	Evaporation Rate: N.E.
Vapor Density: Heavier Than Air	Percent Volatile: 99.95	Ph: Not applicable
Molecular Weight: Not applicable	Vapor Pressure: 0.2 mm Hg at 20° C	
V.O.C. is 810.8 g/L or 84.5 % or 6.75 lb. /gal.		

## 10. STABILITY AND REACTIVITY

Stability: Stable at typical use temperatures.

Conditions To Avoid: Keep away from sources of ignition.

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

Hazardous Decomposition Or By Products: Oxides of carbon and nitrogen. Generation of gas during decomposition can cause pressure in closed systems.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: None known.

## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

Do not release this product into the environment. This product does not contain heavy metals or halogenated solvents.

## 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

DOT Class: NOT REGULATED

Hazard Class: NONE

UN No: NOT APPLICABLE

Packing Group:

Guide No:

Ship Name: CHEMICALS, N.O.I., Not D.O.T. regulated

**15. REGULATORY INFORMATION**

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

SARA TITLE III: This product contains Ethylene Glycol Monobutyl Ether which 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: 810.8

Vapor Pressure: 0.2 mm Hg@ 20 Degrees C

**16. OTHER INFORMATION (HMIS)**

Health: 2

Flammability: 1

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.