

NETWORK CALCIUM OFF

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc. Product Name: **CALCIUM OFF**
Photo Systems, Inc., 7200 Huron River Dr., Dexter, MI 48130
Product Number: 24049 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 ETHER	34590-94-8	100 ppm TWA	100 ppm TWA	15-25

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe irritation and burns.

Inhalation: May cause irritation to nasal membranes and respiratory tract. Vapor when heated may cause headache, and nausea.

Ingestion: Acid nature of solution may cause irritation and corrosion to digestive tract. Single dose oral toxicity is considered to be extremely low. Swallowing amounts larger than that could be slightly toxic producing headache, nausea, dizziness, mental confusion.

Skin Contact: May cause irritation and burns upon contact.

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

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If irritation develops, remove to fresh air and get medical attention if cough or other symptoms develop.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. Call a physician or poison control center immediately.

Skin Contact: Wash affected area with soap and water for at least fifteen minutes. If irritation occurs, seek medical attention.

Aggravated Medical Conditions: Skin contact may aggravate an existing dermatitis. Prolonged inhalation may cause injury to kidney, liver, and central nervous system.

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: >74° C

Flash Point Method: TCC

Auto ignition: > 200° C

LEL: N.E.

UEL: N.E.

Extinguishing Media: Foam, water fog, carbon dioxide, 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. Avoid strong water jets. This material may produce a floating fire hazard in extreme conditions.

Unusual Fire And Explosion Hazards: Vapor/air mixtures can be combustible. On exposed to high temperature may decompose, releasing flammable vapors.

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. Eliminate all sources of ignition. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Neutralize with soda or sodium carbonate. 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.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Avoid contact with eyes or skin. Store in a cool, dry, well ventilated area. Avoid temperatures above 200° C. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. However, if use conditions generate vapors or fumes, use a NIOSH approved acid gas respirator.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Good ventilation (typically 10 air changes per hour) should be used.

Protective Gloves: Rubber gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles) and face shield if there is chance of splashing.

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.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear light colored/light yellow gel with glycol odor

Solubility In Water: Complete Boiling Point: 100-240° C Specific Gravity: 1.068

Vapor Pressure: 0.025 mm Hg (water exempt) Vapor Pressure: 15.3 mm Hg (total) @68°F

Specific Gravity: 1.068 Melting Point: Not applicable Freezing Point: N.E.

Evaporation Rate: N.E. Vapor Density: N.E. Percent Volatile: 63.2

Ph: 2.9 Molecular Weight: Not applicable Pounds Per Gallon: 8.9

V.O.C. = 220.4 g/L or 20.6% or 1.83 lbs/gal.

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Avoid high temperatures open flame and sparks.

Incompatibility: Strong acids and oxidizers.

Hazardous Decomposition Or By Products: Carbon monoxide and carbon dioxide may evolve under extreme conditions.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: High temperatures

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. Recommended disposal by incineration.

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 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: NONE

CALIF. PROP. 65: NONE

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: 220.4 gm/L

Vapor Pressure: 0.025 mm Hg@ 68 Degrees F

16. OTHER INFORMATION (HMIS)

Health: 1

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.