

NETWORK PRO ONE UNIVERSAL PLATE DEVELOPER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Photo Systems, Inc.

7200 Huron River Dr., Dexter, MI 48130

Product Name: **UNIVERSAL PLATE DEVELOPER**

Product Number: **412020, 412290**

Product Use: Plate developer.

Customer Information Phone Number:

1-734-424-9625

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

Date Reviewed: 07/01/2015

Rev. 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

Causes skin irritation (Category 2), H315

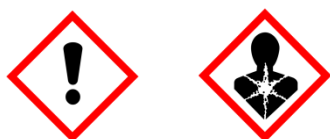
Causes eye irritation (Category 2), H320

Causes respiratory irritation (Category 3), H335

Harmful to aquatic life (Category 1), H412

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use
P261	Avoid breathing mist

P264 Wash skin thoroughly after handling
 P270 Do not eat, drink, or smoke when using this product
 P273 Avoid release into the environment
 P280 Wear protective gloves, eye protection
 P302 + P352 IF ON SKIN: Wash with plenty of soap
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse
 P391 Collect spillage
 P501 Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
Sodium naphthalenesulfonate surfactant	MIXTURE	N.E.	N.E	35-45
Benzyl Alcohol	100-51-6	44 mg/m ³ *	N.E.	10-15

*AIHA recommendation

4. FIRST AID MEASURES

4.1 Description of first aid measures

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

Inhalation: If symptomatic, 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. Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately. If swallowed, give victim a glass of water or milk. Never give anything by mouth to an unconscious person.

Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Not flammable. Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.
 Combustion Products: Carbon dioxide, carbon monoxide, and oxides of sulfur.

5.3 Advise for firefighters

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.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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 sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

6.2 Environmental precautions

Prevent from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Store in a cool, dry, well ventilated area at temperatures of 25°C. Keep containers closed. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. Do not store with strong acids. 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

8.1 Control parameters

See Section 3.

8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment

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

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. A respirator should be worn if hazardous decomposition products are likely to be or have been released. Respirator type: Acid gas.

Skin protection: Latex, rubber, or neoprene waterproof gloves are recommended.

Body protection: Rubber or plastic apron.

Ventilation protection: Local exhaust ventilation is recommended. Good ventilation of 10 room volumes per hour. Ventilation rates should match conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Clear, amber liquid with bland odor.

Solubility In Water: Complete

Flash Point: Nonflammable

Boiling Point: Not available

Vapor Pressure: Not available

Specific Gravity: 1.08

Melting Point: Not applicable

Freezing Point: Not available

Evaporation Rate: Not available

Vapor Density: Not available

Percent Volatile: 80.33

Ph: 7.5

Molecular Weight: Mixture

Pounds Per Gallon: 9.0

V.O.C. = 123.78 g/L, or 11.46%, or 1.03 lb/gal.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical stability

Conditions To Avoid: None

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

High temperatures

10.5 Incompatible Materials

Strong oxidizing agents.

10.6 Decomposition Products

Carbon monoxide, carbon dioxide, oxides of sulfur, phosphates

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Sodium naphthalenesulfonate surfactant Mixture

Acute toxicity:

Oral LD-50 = 1350 mg/kg-bw

Dermal LD-50 = 4200 mg/kg-bw

Inhalation: no data

Skin irritation: no data**Eye irritation:** Causes eye irritation**Respiratory or Skin Sensitization:** No information available**Carcinogenicity:** No information available**Mutagenicity:** No information available**Toxicity for reproduction:** No data available

Benzyl Alcohol 100-51-6

Acute toxicity:

LD50 Oral – rat 1230 mg/kg

LD50 Dermal – rabbit 2000 mg/kg

LC 50 Inhalation – rat not determined

Skin irritation: Causes irritation**Eye irritation:** Causes irritation**Respiratory Sensitization:** Irritating to the respiratory tract.**Carcinogenicity/mutagenicity:** none

12. ECOLOGICAL INFORMATION

Component information

Sodium naphthalenesulfonate surfactant Mixture

Substances in preparations / mixture

Exotoxicological Data: Aquatic toxicity level of > 100 mg/L.

Short term No information available

Long term No information available

Benzyl Alcohol 100-51-6

12.1 Toxicity

Toxicity to fish LC50-Lepomis macrochirus 10ppm (96 h)

Toxicity to daphnia and LC50 – Daphnia magna (Water flea) – 400 mg/l – 48h

Toxicity to algae

EC50 – algae 2600 mg/l – 72 h

12.2 Mobility

Volatile organic compounds (VOC): 100%
Biodegradability- Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation - log POW : 1.10
Bioconcentration factor (BCF): not determined

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.5 Other adverse effects

Not dangerous for the ozone.
Harmless to activated sludge

13. DISPOSAL CONSIDERATIONS

The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

14. TRANSPORT INFORMATION**DOT (US)**

Not regulated

15. REGULATORY INFORMATION**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:
None

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
None

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA

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

SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 123.78 g/L

Vapor Pressure: Not determined mm Hg@ 20 Degrees C

16. OTHER INFORMATION

Full text of H-statements referred to under sections 2 and 3.

Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Skin sensitization (Category 1), H317
Acute aquatic toxicity (Category 1), H400

HMIS RATING

Health: 2

Flammability: 0

Reactivity: 0

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.