

NETWORK CTP-M THERMAL DEVELOPER RTU POSITIVE PLATE DEVELOPER Including IBF Million Thermal Plates

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: CTP-M THERMAL DEVELOPER

Manufacturer: Photo Systems Inc., 7200 Huron River Dr., Dexter, MI 48130, U.S.A.

Product code: 25800-05

Customer Information Phone Number: 1-734-424-9625

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

Product Use: CTP Thermo Plate Developer

Date Reviewed: 5/13/2015

Version: 1.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

Acute toxicity, Oral (Category 4), H302

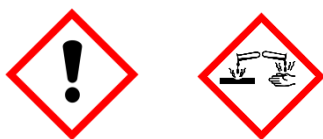
Causes severe skin burns (Skin Corr. 1B) H314

Serious eye damage (Category 1), H318

Specific target organ toxicity – single exposure (Category 3), Respiratory system, H335

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: DANGER

Hazard statement(s)

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes severe eye damage
H335	May cause respiratory irritation

Precautionary statement(s)

P201	Obtain special instructions before use
P260	Do not breathe mist
P264	Wash skin thoroughly after handling

- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician Do NOT induce vomiting
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P330 Rinse mouth.
- 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 Metasilicate	6834-92-0	N.E.	N.E.	10-15
Sodium Silicate	1344-09-8	N.E.	N.E.	1-3
Trisodium Phosphate	10101-89-0	N.E.	N.E.	< 1

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. 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: 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. If conscious, give 1-2 glass of milk or water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Wash skin with soap and water. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Wash contaminated clothes before re-use. Get medical attention if irritation develops immediately.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Nonflammable. Use agent appropriate for surrounding fire.

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 sodium and silicon.

5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes. Fire or excessive heat may produce hazardous decomposition products. Use water to keep 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. Spills can be neutralized using a dilute solution of acetic acid before absorbing the spillage in inert material. 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 liquid 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. Store in a cool, dry, well-ventilated area. 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. 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. Avoid contact with skin and eyes. 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)/faceshield.

Respiratory Protection: Use good ventilation (>10 air changes per hour) and engineering controls to maintain airborne levels below the exposure guidelines. However, if use conditions generate vapors or fumes, or ventilation is inadequate, use a NIOSH approved acid gas respirator.

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

Body protection: Rubber or plastic apron.

Respiratory protection: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Clear blue, odorless solution.

Solubility In Water: Complete

Boiling Point: >100° C

Vapor Pressure: not available kPa@20°C

Ph: 13.3 (pH: 12.75 for 1+9)

Specific Gravity: 1.09 g/ml

Melting Point: Not applicable

Freezing Point: < 0° C

Evaporation Rate: N.E.

Vapor Density: 0.6 (air=1)

Percent Volatile: 86.7

Molecular Weight: Not applicable

Pounds Per Gallon: 9.0

V.O.C.is 0

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

No data available

10.5 Incompatible Materials

Strong acids

10.6 Decomposition Products

Carbon dioxide, carbon monoxide, phosphorus oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Sodium Metasilicate 6834-92-0

Acute toxicity:

LD50 Oral (rat) 1,152 – 1,349 mg/kg
LC50 Inhalation(rat) No data available
Dermal: no data available

Skin corrosion/irritation

Skin -rabbit

Result: Corrosive – 4 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: in vivo assay – mouse

Result: Does not cause skin sensitisation.

Germ cell mutagenicity: Ames test – S.typhimurium

Result: negative

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity – Inhalation – May cause respiratory irritation.

Sodium Silicate Solution 1344-09-8

Acute toxicity:

No data available

Inhalation: no data available

Dermal: no data available

Skin irritation: no data available

Serious Eye irritation: no data available

Respiratory or Skin Sensitization – no data available

Carcinogenicity/mutagenicity: none

12. ECOLOGICAL INFORMATION**Component information*****Sodium Metasilicate 6834-92-0*****12.1 Toxicity**

Toxicity to fish LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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

No data available

Sodium Silicate Solution 1344-09-8**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

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)**

DOT Class: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)
Hazard Class: 8
UN No.: 3266
Packing Group: II
Guide No: 154
Ship Name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM METASILICATE)

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: 0 g/L
Vapor Pressure: 18 mm Hg@ 20 Degrees C

16. OTHER INFORMATION

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

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes severe eye damage
H335	May cause respiratory irritation

HMIS RATING

Health: 3

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.