DOTWORKS
CLASSIC POLY® ACTIVATOR

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Recognition Systems, Inc.
30 Harbor Park Drive, Port Washington, NY 11050
Product Name: CLASSIC POLY® ACTIVATOR
Product Number: 804-2004-61, CPACQ
Product Use: Photographic activator
Customer Information Phone Number: 1-516-625-5000
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
Date Reviewed: 05/19/2015
Version: 2.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard
Acute toxicity, Oral (Category 3), H301
Serious eye damage (Category 1), H318
Skin irritation (Category 2), H315
Skin sensitization (Category 1), H317
Reproductive toxicity (Category 1) H360
Acute aquatic toxicity (Category 3), H402

2.2 GHS Label elements, including precautionary statements

Pictogram

![Pictogram]

Signal Word: DANGER

Hazard statement(s)

H301 Harmful if swallowed
H317 May cause skin irritation or allergic reaction
H318 Causes severe eye damage
H360 May damage fertility or the unborn child.
H410 Very toxic to aquatic life
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
P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell
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.
P321  Specific treatment (see supplemental first aid instructions on this label).
P330  Rinse mouth.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363  Wash contaminated clothing before reuse
P501  Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
<th>OHSA PEL</th>
<th>ACGIH TLV</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM SULFITE</td>
<td>7757-83-7</td>
<td>N.E.</td>
<td>N.E.</td>
<td>5-10</td>
</tr>
<tr>
<td>POTASSIUM HYDROXIDE</td>
<td>1310-58-3</td>
<td>N.E.</td>
<td>2mg/m³</td>
<td>5-10</td>
</tr>
<tr>
<td>AMINOETHYLETHANOLAMINE</td>
<td>111-14-11</td>
<td>N.E.</td>
<td>N.E.</td>
<td>1-3</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1 Description of first aid measures

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

Inhalation:  Expected to be a low hazard for usual industrial or commercial handling by trained personnel. Inhalation of the mist could cause respiratory irritation. If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:  May be harmful if swallowed. Alkaline nature of solution may cause irritation or corrosion to digestive tract, including perforation of mucous membranes of the mouth, throat, esophagus and stomach. If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact:  Substance is corrosive. 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:  Skin contact may aggravate an existing dermatitis. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

Date: 5/19/15  Classic Poly® Activator  2 / 9
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 sulfur.

5.3 Advise for firefighters
Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to
prevent contact with skin and eyes.

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. Neutralize with a weak acid solution. Avoid splashing or misting which could increase
health hazards. 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.

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. Contaminated surfaces should be cleaned
using water.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
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. 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. However, if use conditions generate vapors or fumes, use a NIOSH approved acid gas respirator.

**Skin protection:** Latex, rubber, 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, colorless, odorless, and liquid.
- Solubility In Water: Complete
- Boiling Point: >100 ° C
- Vapor Pressure: N.E.
- Specific Gravity: 1.10
- Melting Point: Not applicable
- Freezing Point: N.E.
- Evaporation Rate: <1
- Vapor Density: N.E.
- Percent Volatile: 86.17
- Ph: 13.68
- Molecular Weight: Not applicable
- Pounds Per Gallon: 9.21
- V.O.C. = 0

10. STABILITY AND REACTIVITY

10.1 Reactivity
- Stable

10.2 Chemical stability
- None

10.3 Possibility of hazardous reactions
- No data available

10.4 Conditions to avoid
- No data available

10.5 Incompatible Materials
- Strong acids, alkalis, and oxidizers. Common metals other than stainless steel.
### 10.6 Decomposition Products
May produce oxides of sulfur and carbon.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information of toxicological effects

**Component information**

**Aminoethylethanolamine 111-41-1**

**Acute toxicity:**
- Oral: LD50 (rats): 3,000 mg/kg
- Dermal: LD50 (rats): 2,250 mg/kg
- Inhalation: No data available

**Skin irritation:**
- Rabbit: Result: Corrosive

**Eye irritation:**
- Eyes – Rabbit: Risk of serious damage to eyes.

**Respiratory or Skin Sensitization:** No data available

**Carcinogenicity/mutagenicity:**
- IARC: 2B – Group 2B: Possibly carcinogenic to humans
- 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 known or anticipated carcinogen by NTP.

**Reproductive toxicity:** No data available.

**Potassium Hydroxide 1310-58-3**

**Acute toxicity:**
- No data available

**Skin irritation:**
- No data

**Eye irritation:**
- No data

**Respiratory or Skin Sensitization:**
- No data available

**Carcinogenicity/mutagenicity:**
- None

**Sodium Sulfite 7757-83-7**

**Acute toxicity:**
- Oral LD-50 (rat): 3,560 mg/kg
- Inhalation LC-50 (rabbit): >5.500 mg/kg - 4 h
- Dermal: no data available

**Skin irritation:**
- Rabbit: No skin irritation
Eye irritation: Rabbit Mild eye irritation
Respiratory or Skin Sensitization Prolonged or repeated exposure may cause allergic skin Reaction in certain sensitive individuals.
Carcinogenicity/mutagenicity: none

12. ECOLOGICAL INFORMATION

Component information

Aminoethylethanolamine 111-41-1

12.1 Toxicity
Toxicity to fish LC50-Pimephales promelas – 640 mg/l – 96 hh
Toxicity to daphnia and other aquatic invertebrates LC50 – Daphnia magna (Water flea) – 22 mg/l – 48 h
EC50 – Daphnia magna (Water flea) -133 mg/l – 48 h

12.2 Persistence and degradability
Activated sludge. OECD Guideline 301 F
BOD of the ThOD
Degree of elimination: >60% (28 d)
Evaluation: Readily biodegradable

12.3 Bioaccumulative potential
Accumulation of organisms is not to be expected.

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
Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatments plants. Do not release untreated into natural waters.

Potassium Hydroxide 45% 1310-58-3

12.1 Toxicity
Toxicity to fish LC50-Cyprinodon variegatus (sheephead minnow) – 540 mg/l – 96h
LC0-Fathead minnow – 1,460 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates LC50 – Daphnia magna (Water flea) – < 4.2 mg/l – 11d
EC50 – Daphnia magna (Water flea) -55 mg/l – 48 h

Date: 5/19/15  Classic Poly® Activator 6 / 9
12.2 Persistence and degradability
Biodegradability Result: > 90% - Readily biodegradable

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
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

Sodium Sulfite 7757-83-7

12.1 Toxicity
Toxicity to fish LC- Gambusia affinis (Mosquito fish) – 660 mg/l – 96h

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
None

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 Potassium Hydroxide)
Hazard Class: 8
UN No.: 3266
Packing Group: II
Guide No: 154

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 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.

Acute toxicity, Oral (Category 3), H301
Serious eye damage (Category 1), H318
Skin irritation (Category 2), H315
Skin sensitization (Category 1), H317
Reproductive toxicity (Category 1) H360
Acute aquatic toxicity (Category 3), H402

Date: 5/19/15
HMIS RATING

Health: 3
Flammability: 0
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.