LAUDER PHOTO SUPPLY FORMULA 874
DUAL RAPID FIXER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributed by: Lauder Photo Supply, 1765 Garnet Ave. Ste. 150, San Diego, CA 92109
Product Name: FORMULA #874 RTU RAPID PAPER FIXER
Product Number: 27874-16, 27874-32, 27874-01, 27874-05
Product Use: Photographic fixer.
Customer Information Phone Number: 1-858-436-5477
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
Date Reviewed: 7/21/2015
Version: 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

Causes eye irritation (Category 2B), H320
Causes skin irritation (Category 2), H314

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: WARNING

Hazard statement(s)

H305 May be harmful if swallowed and enters airways/
H314 Causes skin irritation
H317 May cause allergic skin reaction
H320 Causes eye irritation
H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing mist
P264 Wash skin thoroughly after handling
P270 Do not eat, drink, or smoke when using this product
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
P391 Collect spillage
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>AMMONIUM THIOSULFATE</td>
<td>7783-18-8</td>
<td>N.E.</td>
<td>N.E.</td>
<td>80-90</td>
</tr>
<tr>
<td>SODIUM SULFITE</td>
<td>7757-83-7</td>
<td>N.E.</td>
<td>5 mg/m³</td>
<td>1-5</td>
</tr>
<tr>
<td>ACETIC ACID</td>
<td>64-19-7</td>
<td>25mg/m³</td>
<td>5 mg/m³</td>
<td>1-5</td>
</tr>
<tr>
<td>BORIC ACID</td>
<td>10043-35-3</td>
<td>N.E.</td>
<td>N.E.</td>
<td>1-5</td>
</tr>
</tbody>
</table>

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 while holding eyelids apart. DO NOT remove contact lenses, if worn. 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: Seek medical attention or contact a poison control center for advice about whether to induce vomiting. If conscious, give two glasses of water. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down.

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: Skin contact may aggravate an existing dermatitis.

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 and nitrogen.

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. For small amounts less than one gallon flush to the sewer with large amounts of water. For larger spills, 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 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.

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

Body protection: Rubber or plastic apron.

Ventilation 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, slightly yellow, vinegar odor.
- **Solubility In Water:** Complete
- **Boiling Point:** >212° F
- **Flashpoint:** Nonflammable
- **Vapor Pressure:** 18mm Hg @ 20° C
- **Ph:** 5.0
- **Specific Gravity:** 1.34 g/ml
- **Melting Point:** Not applicable
- **Freezing Point:** N.E.
- **Evaporation Rate:** N.E.
- **Vapor Density:** N.E.
- **Percent Volatile:** 42
- **Molecular Weight:** Not applicable
- **Pounds Per Gallon:** 11.16

V.O.C. is 48.2 g/L or 3.6 % or 0.40 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
- No data available

10.5 Incompatible Materials
- Strong acids will liberate sulfur dioxide. Strong bases of sodium hydroxide will liberate ammonia fumes.

10.6 Decomposition Products
- May produce oxides of sulfur and ammonia.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

**Component information**

*Ammonium thiosulfate 7783-18-8*

**Acute toxicity:**
- Oral: LD50 (rats): 2,890 mg/kg
SAFETY DATA SHEET

Dermal: No data
Inhalation: No data
Skin irritation: Rabbit
Non irritant
Eye irritation: Rabbit
No eye irritation (OECD Test Guideline 405).
Carcinogenicity/mutagenicity: none

Sodium Sulfite 7757-83-7

Acute toxicity:
Oral LD50 (rat) 3,560 mg/kg
Inhalation LC50 (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

Acetic Acid 64-19-7

Acute toxicity:
Oral: LD50 (rats): 3,310 mg/kg
Dermal: LD50 (Rabbit) – 4h – 11.4 mg/l
Inhalation: LC50 (Mouse) – 1h – 5620 ppm
LC50 (Rat) – 4h -11.4 mg/l
Skin irritation: No data available
Eye irritation: Rabbit
Corrosive to eyes
Respiratory or skin sensitization No data available
Carcinogenicity/mutagenicity: none
Reproductive toxicity: No data available
Specific target organ toxicity – repeated exposure – No data available
Aspiration hazard - No data available

Boric Acid 10043-35-3

Acute toxicity:
Oral: LD50 (rats): 2,660 mg/kg
Dermal: No data

Inhalation: No data
Skin irritation: No data available
Eye irritation: No data available
Respiratory sensitization: No data available
Carcinogenicity/mutagenicity: none
12. ECOLOGICAL INFORMATION

Component information

Ammonium thiosulfate 7783-18-8

12.1 Toxicity

Toxicity to fish
LC0 - Lepomis macrochirus (bluegill) - 510 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates
LC50 - Daphnia magna (Water flea) – 230 mg/l – 21d

Toxicity to algae
EC50 - Pseudokirchneriella subcapitata - > 100 mg/l – 72 h (OECD Test Guideline 201).

Toxicity to bacteria
Respiration inhibition EC50 - Sludge Treatment - > 1,000 mg/l – 3h (OECD Test Guideline 201).

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

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

Acetic Acid 64-19-7

12.1 Toxicity

Toxicity to fish
LC0- Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l – 96h (OECD Test Guideline 203).
Toxicity to daphnia and other aquatic invertebrates: LC50 – Daphnia magna (Water flea) – > 300.82mg/l – 48h (OECD Test Guideline 202).

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
Biodegradability:
- aerobic – exposure time 30d
  - Result: 99% - Readily biodegradable

  Biochemical Oxygen Demand (BOD): 880 mg/g

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.

Boric Acid 10043-35-3

12.1 Toxicity
- Toxicity to fish: LC0 - Lepomis macrochirus (bluegill) – 1,021 mg/l – 96h
- Toxicity to daphnia and other aquatic invertebrates: LC50 – Daphnia magna (Water flea) – 53.2 mg/l – 21d

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)
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

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: 48.2 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.

H305 May be harmful if swallowed and enters airways (Category 2)
H314 Causes skin irritation (Category 2)
H317 May cause allergic skin reaction (Category 1)
H320 Causes eye irritation (Category 2B)
H335 May cause respiratory irritation (Category 3)

HMIS RATING

Health: 1
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.