LAUDER PHOTO SUPPLY FORMULA 872
CONCENTRATED PAPER DEVELOPER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Lauder Photo Supply
1765 Garnet Ave. Ste.150, San Diego, CA 92109
Product Name: FORMULA # 872 CONCENTRATED PAPER DEVELOPER
Product Number: 27872-16, 27872-32, 27872-01, 27872-05
Product Use: Photographic developer.
Customer Information Phone Number: 1-858-436-5477
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
Date Reviewed: 2/19/2015
Rev. 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard
Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 2A), H318
Skin sensitization (Category 2), H317
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 2), H351
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: WARNING

Hazard statement(s)
H302 Harmful if swallowed
H315 Causes skin irritation
H317 May cause allergic skin reaction
H318 Causes severe eye damage
H335 May cause respiratory irritation
H341 Suspected of causing genetic defects
H351 Suspected of causing cancer
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.
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

<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 CARBONATE</td>
<td>497-19-8</td>
<td>N.E.</td>
<td>N.E.</td>
<td>5-10</td>
</tr>
<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>HYDROQUINONE</td>
<td>123-31-9</td>
<td>2mg/m³</td>
<td>2mg/m³</td>
<td>1-3</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. 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. 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

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. 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. 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. 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. However, if use conditions generate decomposition
   vapors or fumes; use a NIOSH approved respirator with acid gas cartridges.

   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, off white liquid, slight odor.
Solubility In Water: Complete
Boiling Point: > 100°C
Flash Point: Nonflammable
Flash Point Method: Not applicable
Auto ignition: Not applicable
LEL: Not applicable
UEL: Not applicable
Vapor Pressure: 18 mm Hg @ 20° C
pH: 10.2
Specific Gravity: 1.2 g/ml
Melting Point: Not applicable
Freezing Point: N.E.
Evaporation Rate: > 1
Vapor Density: 0.6
Percent Volatile: 80
Molecular Weight: Not applicable
Pounds Per Gallon: 9.84
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 will liberate sulfur dioxide, carbon dioxide.

10.6 Decomposition Products
May produce oxides of sulfur and carbon
11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

**Hydroquinone 123-31-9**

**Acute toxicity:**
- Oral LD50 (rat) 367.3 mg/kg (OECD Test Guidance 401)
- Dermal LD-50 (rabbit) >2,000 mg/kg (OECD Test Guidance 402)
- Inhalation: no data

**Skin irritation:** no data

**Eye irritation:** no data

**Respiratory or Skin Sensitization** (in vivo assay – mouse (OECD Test Guidance 429))
- May cause sensitization by skin contact.
- May cause allergic skin reaction.

**Carcinogenicity/mutagenicity:** none

**Sodium Carbonate 497-19-8**

**Acute toxicity:**
- LD50 Oral – rat – 2800 mg/kg

**Skin irritation:**
- LD50 Dermal – rabbit > 2000 mg/kg

**Eye irritation:**
- No data available

**Respiratory or Skin Sensitization**
- LD50 Inhalation – guinea pig – 800 mg.m³

**Carcinogenicity/mutagenicity:** none

**Sodium Sulfite 7757-83-7**

**Acute toxicity:**
- Oral LD-50 (rat) 3,560 mg/kg
- Inhalation LD-50 (rat) >5,500 mg/m³ - 4 h
- Dermal: no data

**Skin irritation:**
- Skin – rabbit
  - Result: No skin irritation

**Eye irritation:**
- Skin – rabbit
  - Result: No skin irritation

**Respiratory or Skin Sensitization**
- Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

**Carcinogenicity/mutagenicity:** none
12. ECOLOGICAL INFORMATION

Component information

Hydroquinone 123-31-9

12.1 Toxicity

Toxicity to fish: LC50-Onchorhynchus mykiss (rainbow trout) – 0.4 - 0.1 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates: LC50 – Daphnia magna (Water flea) – 0.13 – 48h
Toxicity to algae: EC50 – Pseudokirchneriella subcapitata (green algae) – 0.335 mg/l – 72h

12.2 Persistence and degradability

Biodegradability: Biotic/Aerobic – exposure time 14d
Result: 86% - Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation: Leuciscus idus (golden orfe) – 3d – 50 µNo data available
Bioconcentration factor (BCF): 40

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

Very toxic to aquatic life with long lasting effects.

Sodium Carbonate 497-19-8

12.1 Toxicity

LC50 /96 hours: 300 mg/l (bluegill, sunfish)
EC50/48 hours: 200-227 mg/L (Ceriodaphnia)

12.2 Persistence and degradability

This product is completely 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
Sodium Sulfite 7757-83-7

12.1 Toxicity
Toxicity to fish LC50- 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
Audit 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)
Not regulated

15. REGULATORY INFORMATION

SARA 302 Components
The following components are subject to reporting levels established by SARA Title III, Section 302:

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SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

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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.

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: 1
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.