PRESSLINE
RAPID ACCESS DEVELOPER CONCENTRATE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributer: Kelly Paper®
288 Brea Canyon Road, City of Industry, CA 91789
Product Name: **RAPID ACCESS DEVELOPER/REPLENISHER**
Product Number: **98870H, 804-0024-25**
Product Use: Photographic developer.
Customer Information Phone Number: 1-909-859-8200
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
Date Reviewed: 3/1/2016
Version: 2.0

2. HAZARDOUS IDENTIFICATION

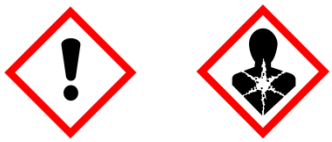
2.1 Classification of the substance or mixture

Health hazard

Acute toxicity, Oral (Category 4), H302
Serious eye damage (Category 1), H318
Skin irritation (Category 2), H315
Skin sensitization (Category 1), H317
May cause allergy/asthma symptoms.breathing difficulties if inhaled. (Category 1) H334
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 2), H351
Reproductive toxicity (Category 2), H361
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
H317	May cause allergic skin reaction
H318	Causes severe eye damage
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.
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 %
POTASSIUM SULFITE	10117-38-1	N.E.	N.E.	20-30
POTASSIUM HYDROXIDE	1310-58-3	N.E.	2mg/m³	5-10
SODIUM SULFITE	7757-83-7	N.E.	N.E.	1-5
HYDROQUINONE	123-31-9	2mg/m³	2mg/m³	1-5
DIETHANOLAMINE 85%	111-42-2	2ppm	1 ppm	1-5

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 contact lenses, if worn. Get immediate medical attention, preferably from an opthamologist if irritation persists.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: 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: 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.

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.

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. 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 Precations 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.

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: Slightly yellow liquid, floral to slightly fishy odor.
Solubility In Water: Complete
Boiling Point: >212° F
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: 11.25, Working Solution (1:4) 10.6
Specific Gravity: 1.23 g /ml
Melting Point: Not applicable
Freezing Point: N.E.
Evaporation Rate: <1.
Vapor Density: Heavier than air.
Percent Volatile: 66.6
Molecular Weight: Not applicable
Pounds Per Gallon: 10.19
V.O.C is 67 g/l or 5.5% or 0.56 lb./gal.

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 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

Diethanolamine 111-42-2

Acute toxicity:
Oral: LD50 (rats): 710 mg/kg
Dermal: LD50 (rabbits) – 12,200 mg/kg
Inhalation: No data available
Skin irritation: Rabbit
Result: Mild skin irritation – 24 h (Draize Test)
Eye irritation: Eyes – Rabbit
Result: Severe eye irritation – 24 h
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.

Hydroquinone 123-31-9

Acute toxicity:
Oral LD-50 (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

Potassium Hydroxide 1310-58-3

Acute toxicity:
No data available
Dermal
No data available
Inhalation: no data
No data available
Skin irritation: no data
Eye irritation: no data
Respiratory or Skin Sensitization:
No data available
Carcinogenicity/mutagenicity:
None

Potassium Sulfite 10117-38-1

Acute toxicity:
No data available
Dermal:
No data available
Inhalation:
No data available
Skin irritation: Skin – rabbit (OECD Test Guidance 429)
No skin irritation – 4h
Eye irritation:
No data available
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

Diethanolamine 111-42-2

12.1 Toxicity

Toxicity to fish	LC50-Ptychocheilus Lucius – 279 mg/l – 96h 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 EC50 – Daphnia magna (Water flea) -133 mg/l – 48 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
None

Hydroquinone 123-31-9

12.1 Toxicity

Toxicity to fish	LC50-Oncorhynchusd 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 – 72 h

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.

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

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.

Potassium Sulfite 45% 10117-38-1

12.1 Toxicity

Toxicity to fish	Static test-Leuciscus idus (golden orfe) – 215-464 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

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)
Not regulated

15. REGULATORY INFORMATION

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

	Cas#	Revision Date
Hydroquinone	123-31-9	2007-07-01

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

	Cas#	Revision Date
Hydroquinone	123-31-9	2007-07-01
Diethanolamine	111-42-2	2011-07-01

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

California Prop 65 Components
Warning! This product contains a chemical known to the State of California to cause cancer. Diethanolamine.

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: 67 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: 2
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.