1. Product and Company Identification

Product Identifier

Trade Name: Rapid Access Film Developer Concentrate

Item Number(s): FDEV

Relevant Identified Uses of the Substance or Mixture:

Concentrated Developer for use with Rapid Access Films.

Restrictions on Use: For Industrial Use Only

Manufacturer/Supplier:

Applied Chemistries, Inc.
270 Main St. Unit D
Agawam, MA 01001
(877) 847-6236

- **FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: Applied Chemistries, Inc. (877-847-6236)**

2. Hazards(s) Identification

GHS Classification and Label Elements of the Product

Hazard Pictograms:

Signal Word: WARNING DANGER WARNING

Hazard Category	Signal Word	Hazard Statement
4	Warning	H302: **Harmful if swallowed.**
1	Danger	H316: **Causes serious eye damage.**
2	Warning	H320: **Causes skin irritation.**
3	Warning	H335: **May cause respiratory irritation.**
2	Warning	H341: **Suspected of causing genetic defects.**
2	Warning	H351: **Suspected of causing cancer.**
3	*No signal word*	H402: **Harmful to aquatic life.**

Precautionary Statements	
Prevention	**Response**
P201+202: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only in a well-ventilated area. P273: Harmful to aquatic life. P281: Use personal protective equipment as required.	P332+315: **If Skin Irritation Occurs:** get medical advice/attention. P305+P351+P338: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: **If Eye Irritation Persists:** get medical advice/attention. P304+P340: **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. P330+P312: **IF SWALLOWED:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	**Disposal**
P403+233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up.	P501: Dispose of contents/container according to local/regional regulations.

3. Composition/Information on Ingredients

Chemical Characterization: Mixture

Component Name	CAS#	Concentration % by Weight	GHS Hazard Codes
Hydroquinone	123-31-9	5-10%	H302, H318, H317, H341, H351, H400
Sodium Sulfite	7757-83-7	10-20%	H315, H319
Potassium Carbonate	584-08-7	5-10%	H315, H319, H335, H336
Potassium Bromide	7758-02-3	<5%	H315, H319, H335, H402, H412

4. First Aid Measures

Inhalation:

Remove victim to fresh air. Administer oxygen if breathing is difficult. Seek medical attention if respiratory irritation or distress continues.

Skin Contact:

Wash with plenty of soap and water for no less than 5 minutes.

Eye Contact:

Flush with a gentle, steady stream of water for at least 15 minutes. Seek medical attention.

Ingestion:

If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Do not leave victim unattended. Do not induce vomiting.

5. Fire Fighting Measures

Suitable Extinguishing Media: **Recommended:** Dry chemical, carbon dioxide, foam, water spray.

Specific Fire Fighting Measures: N/A

Unusual Fire and Explosion Hazards: N/A

Special Protective Equipment and Precautions for Fire Fighters:

No special equipment required.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear proper protective equipment.

Dispose according to State, Federal and Local regulations.

Environmental Precautions:

Avoid runoff to waterways and sewers.

7. Handling and Storage

Precautions for Safe Handling:

- Protect against physical damage.
- Store in a cool, dry, well ventilated location.
- Separate from incompatibles.
- Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.

8. Exposure Controls / Personal Protection

Airborne Exposure Limits: Hydroquinone (123-31-9)

Basis	Revision Date	Value	Type
ACGIH	n/a	1 mg/m3	ACGIH-TWA
OSHA	n/a	2 mg/m3	OSHA PEL (TWA)

Eye Protection:

Wear safety glasses with side shields or splash-proof goggles.

Skin Protection:

Wear protective clothing including gloves, lab coat, apron or coveralls, as appropriate, to minimize skin contact.

General Industrial Hygiene Practices:

Wash with soap and water before meals and at the end of each work shift. Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

9. Physical and Chemical Properties

Appearance:	Clear, Pale Liquid	**Odor:**	Typical
Odor Threshhold:	Unknown	**pH:**	10.0-10.9
Melting Point:	N/A	**Freezing Point:**	0°C
Initial Boiling Point:	~100°C	**Boiling Range:**	Unknown
Flash Point:	>144°C	**Evaporation Rate:**	Unknown
Flammability, Solid:	Unknown	**Flammability, Gas:**	Unknown
Lower Explosive Limit:	Unknown	**Upper Explosive Limit:**	Unknown
Vapor Pressure:	<3 mmHG@20C	**Vapor Density:**	Unknown
Relative Density:	1.2-1.3	**Solubility**	100%
Partition coefficient: n-octanol/water	Unknown	**Auto-Ignition Temperature:**	Unknown
Decomposition Temperature:	Unknown	**Viscosity:**	Unknown

10. Stability and Reactivity

Stability: This product is stable under normal handling and storage conditions.

11. Toxicological Information

Toxicological Data: Unknown

12. Ecological Information

Ecological Data: This material is 100% biodegradable.

13. Disposal Considerations

Waste Disposal: Dispose according to Federal, State and Local regulations.

EPA Hazardous Waste: No

14. Transport Information

US Department of Transportation: Not Regulated

15. Regulatory Information

Inventory Status:

All components included on **TSCA, DSL, EINECS/ELINCS, AICS, MITI, KECL** inventory lists.

Federal Regulations:

All functional components of this product are listed on the **TSCA** inventory.

SARA Title III Hazard Classes:

- Fire Hazard: No
- Reactive Hazard: No
- Release of Pressure: No
- Acute Health Hazard: Yes
- Chronic Health Hazard: No

Other Information:

NFPA Ratings

Health:	2 (Moderate)	**Fire:**	0 (Minimal)	**Stability:**	0 (Minimal)

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