

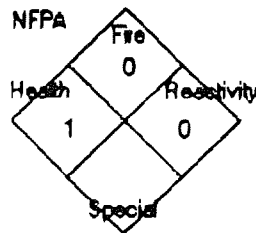
# MSDS - Material Safety Data Sheet

## Product Name: ALTA - ZONAL Pro FACTOR One Developer

MSDS No.: A-212

### I. Basic Information:

**Manufacturer:** ALTA Photographic Inc.  
**Address:** 1421 International Drive  
**City, ST Zip:** Bartlesville, OK 74006  
**Emergency Contact:** CHEMTREC  
**Emergency Phone:** 800-424-9300



Last Update: 09/26/2000

Chemical State:  Liquid  Gas  Solid

Chemical Type:  Pure  Mixture

1	Health
0	Flammability
0	Reactivity
B	Pers. Protection

### II. Ingredients:

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SARA SUB Z 313	OSHA PEL	ACGIH TLV	Other Limits
123319	Hydroquinone	<7.00		X			2mg/m3	2mg/m3	
1310583	Potassium hydroxide								
7681574	Sodium metabisulfite								

### III. Hazardous Identification:

Hazard Category:

Acute  Chronic  Fire  Pressure  Reactive

Hazardous Identification Information:

CAUTION - Irritant, moderate skin and eye.  
 MAY CAUSE SKIN OR EYE IRRITATION.

Avoid contact with skin and clothing. Avoid contact with eyes.  
 Wash thoroughly after handling.

### IV. First Aid Measures:

Route(s) of Entry:

Possible skin or eye.

Health Hazards (Acute and Chronic):

ACUTE - May cause irritation to eyes or skin. CHRONIC - None.

Signs and Symptoms:

Eye or skin irritation or redness.

Medical Conditions Generally Aggravated by Exposure:

None Known

Post-It® Fax Note	7671	Date: 5/10/05	# of pages: 4
To: Risk mgmt.		From: Kathy	
Co./Dept.		Co. ALTA	
Phone #		Phone # 918 335 2582	
Fax # 262-472-5668		Fax #	

**MSDS - Material Safety Data Sheet****Product Name: ALTA - ZONAL Pro FACTOR One Developer****MSDS No.: A-212****Emergency and First Aid Procedures:**

In case of eye contact, immediately flush with plenty of water for at least 15 mins.  
In case of skin contact, immediately flush with water for 15 mins. Remove contaminated clothing.  
In case of inhalation, remove to fresh air.

**Other Health Warnings:**

Wash thoroughly after handling.

**V. Fire Fighting Measures:**

Flash Point: NA                      Lower Explosive Limit: NA                      Upper Explosive Limit: NA

Fire Extinguishing Media:      Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO2).

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur hydrogen bromide.

**Unusual Fire and Explosion:**

NE

**VI. Accidental Release Measures:****Steps to be Taken in Case Material is Released or Spilled:**

Absorb spill with inert material (e.g. dry sand or absorbant) then place in suitable container  
Flush residual spill with water. For large spills, dike &/or neutralize for later disposal.  
Dispose of in accordance with Local, State, & Federal regulations.

**VII. Handling and Storage:****Precautions to be Taken:**

Personal Precautionary Measures: Do not get in eyes, on skin, or on clothing.  
Use adequate ventilation. Wash thoroughly after handling.

Keep from contact with oxidizers.

Keep container closed. Keep away from incompatible substances

**Other Precautions:**

Avoid prolonged or repeated contact with skin

**VIII. Exposure Controls/Personal Protection:****Ventilation Requirements:**

Good general ventilation (typically 10 air changes per hour) should be used  
Use local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits

**Personal Protective Equipment:**

Use safety goggles, rubber or neoprene gloves and a plastic apron.

**MSDS - Material Safety Data Sheet****Product Name: ALTA - ZONAL Pro FACTOR One Developer****MSDS No.: A-212*****IX. Physical and Chemical Properties:***

**Boiling Point:** 212 F                      **Melting Point:** NA                      **Evaporation Rate:** NE  
**Vapor Pressure (mm Hg.):** Approx 18                      **Vapor Density (AIR = 1):** 1                      **Specific Gravity:** 1.24500  
**Solubility In Water:** Complete.  
**Appearance and Odor:** Clear pale yellow liq. Low odor.  
**Other Information:**

***X. Stability and Reactivity:***

**Stability:**  
Stable

**Incompatibility (Materials to Avoid):**  
Strong Acids

**Decomposition/By Products:**  
Carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur

**Hazardous Polymerization:**  
Will not occur.

***XI. Toxicological Information:***

Contains hydroquinone.

***XII. Ecological Information:***

NE

***XIII. Disposal Considerations:***

Discharge, treatment, or disposal may be subject to Local, State or Federal laws.

***XIV. Transport Information:***

**DOT Classification:** Non-hazardous  
**IATA/CAO Classification:** Non-hazardous  
**IMDG Classification:** Non-hazardous

***XV. Regulatory Information:***

**MSDS - Material Safety Data Sheet**

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- Materials Known to the State of California to cause cancer: None
- Materials Known to the State of California to cause adverse reproductive effects: None

Carcinogenicity Classification (components present at 0.1% or more)

- (IARC) International Agency for Research on Cancer: Hydroquinone, 3
- (ACGIH) American Conference of Industrial Hygienists: Hydroquinone, A3
- (NTP) National Toxicology Program: None
- (OSHA) Occupational Safety & Health Admin: None

Hydroquinone is subject to the reporting requirements of:

- SARA Title III
- SARA Section 313
- SARA 40 CFR Part 372

**XVI. Other Information:**