

# MSDS

H.R. Simon and Company, Inc. (800) 638-9460  
3515 Marmenco Court  
Baltimore, Maryland 21230  
for chemical **Emergency: (800) 424-9300**

## Section 1 Identification:

**Chemical Name:** Manual Developer      **Chemical Family:** Aqueous Solution  
**MSDS Number:** S50-125    S50-126      **Date:** 1/03  
                                 S50-127    31702  
                                 52596

## Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)	
Hydroquinone	2-4	123-31-9	2 mg/m <sup>3</sup>	2mg/m <sup>3</sup>	Potassium
Hydroxide	1-5	1310-58-3	2 mg/m <sup>3</sup>	-----	
Sodium Bisulfite	----	7681-57-4	5 mg/m <sup>3</sup>	-----	
1-Phenyl-3-Pyrazolidone	<1	92.43.3	Not Established	Not Established	

## Section 3 Hazards Identification:

Warning! Contains Hydroquinone (123-31-9), Potassium Hydroxide (1310-58-3)  
Sodium Bisulfite (7681-57-4)  
Harmful if swallowed  
Causes skin and eye irritation  
May cause allergic skin reaction

## Section 4 First Aid Measures:

**Eyes:** Immediately flush eyes with water for fifteen minutes. Seek medical help.  
**Skin:** Remove contaminated clothing. Flush skin for fifteen minutes. If symptoms persist, seek medical help.  
**Ingestion:** Conscious subject: immediately give large amounts of water and induce vomiting. Unconscious person: call for medical help immediately. Do not give anything by mouth to an unconscious person  
**Inhalation:** Remove subject to fresh air. If symptoms persist, seek medical help.

## Section 5 Fire Fighting Measures:

**Flash Point:** None  
**Extinguishing Media:** Use media for surrounding material  
**Fire Fighting Procedures:** No special procedures  
**Unusual Fire and Explosion Hazards:** None

## Section 6 Accidental Release Measures:

Small spills may be mopped up. Soak spill with saw dust, sand, oil dry, or any other absorbent material. Dispose of recovered material in accordance with all federal, state and local regulations.

## Section 7 Handling and Storage:

No special handling and storage required.

## Section 8 Exposure Controls:

NOISH approved respirator for mists. No special ventilation is necessary, except in small enclosed areas where a local exhaust fan should be used. Use latex or neoprene gloves, safety glasses with side-shields or chemical goggles. Wear chemical resistant apron.

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## Section 9 Physical Chemical Properties:

Manual Developer

**Boiling Point:** >212<sup>0</sup>F  
**Appearance:** clear liquid  
**Specific Gravity:** 1.23 @ 15.5<sup>0</sup>C

**Solubility in Water:** Complete  
**Odor:** Slight Indistinguishable Odor  
**pH Level:** 10.70 @ 25<sup>0</sup>C

## Section 10 Stability and Reactivity:

**Chemical stability:** stable. **Incompatibility:** Strong acids, strong oxidizing materials.  
**Decomposition Products:** carbon monoxide, carbon dioxide, oxides of sulfur.  
**Hazardous Polymerization:** will not occur.

## Section 11 Toxicology Information:

**Ingestion:** May cause abdominal pain or discomfort  
**Skin Contact:** Rash may develop with some irritation of discomfort.  
**Eye Contact:** Irritation is immediate with tearing or blurring of vision.  
**Inhalation:** May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

## Section 12 Ecological Information:

Small quantities diluted with water is not expected to have an adverse impact on the environment.

## Section 13 Disposal Considerations:

Dispose of material in accordance with federal, state and local regulations.

## Section 14 Transportation Information:

IMO, US, UN: Not a regulated substance  
For information concerning transportation of this product, call H.R. Simon and Company, Inc.  
1-800-638-9460

## Section 15 Regulatory Information:

Materials known to state of California to cause cancer: None  
Materials known to state of California to cause adverse reproductive effects: None  
Carcinogenicity Classification (components present at 0.1% or more):  
International Agency for Research of Cancer (IARC): None  
American Conference of Governmental Industrial Hygienists (ACGIH): None  
National Toxicology Program (NTP): None  
Occupational Safety and Health Administration (OSHA): None

Chemicals subject to the reporting requirements of Sections 313 or Title III of the Superfund Amendments Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: Hydroquinone

## Section 16 Other Data:

**NFPA HAZARD CODES (0=LEAST; 4=MOST)**  
**HEALTH=1**  
**FLAMMABILITY=0**  
**REACTIVITY=0**  
**SPECIFIC HAZARD=0**

Note: This MSDS relates only to the material herein, and does not relate in combination with any other material or process. This MSDS is based on information provided by us and is believed to be accurate, although no guarantee or warranty is provided or implied by the company in this respect. Since the use of this product in the exclusive control of the user, it is the user's responsibility to determine the conditions of safe use. Such conditions must comply with all government regulations