

# 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:** Industrial Developer-Working Solution  
**MSDS Number:** S60-045RTU

**Chemical Family:** Aqueous Solution  
**Date:** 01/2012

## Section 2 Composition (Ingredients required)

Name	%	CAS Number	ACGIH (TLV)	OSHA (PEL)
Water	85-90	7732-18-5	None	None
Boric Acid	1-5	10043-35-3	None	None
Hydroquinone	1-5	123-31-9	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>
Potassium Hydroxide	1-5	1310-58-3	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>
Glutaraldehyde	1-5	111-30-8	0.1 PPM	0.1 PPM
Sodium Bisulfite	5-10	7631-90-5	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

## Section 3 Hazards Identification:

**Contains** Hydroquinone (123-31-9), Potassium Hydroxide (1310-58-3), Sodium Bisulfite (7631-90-5)  
Harmful if swallowed  
Causes eye & skin irritation

## Section 4 First Aid Measures:

**Eyes:** Immediately flush eyes with water for fifteen minutes. Seek medical help.  
**Skin:** Remove contaminated clothing. Flush skin with water 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 material of recovered material in accordance with all Federal, State and local regulations.

## Section 7 Handling and Storage:

No special storage requirements.

## Section 8 Exposure Controls:

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 a chemical resistant apron.

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## Section 9 Physical Chemical Properties:

Industrial Developer-Working Solution

**Boiling Point:** >212<sup>0</sup>F  
**Appearance:** Clear, pale yellow liquid  
**Specific Gravity:** 1.08 @ 15.5<sup>0</sup>C

**Solubility in Water:** Complete  
**Odor:** Slight carbohydrate odor  
**pH Level:** 10.45 @ 25<sup>0</sup>C

## Section 10 Stability and Reactivity:

**Chemical stability:** Stable **Incompatibility:** Strong alkaline materials  
**Hazardous Polymerization:** will not occur

## Section 11 Toxicology Information:

Harmful if swallowed. May cause irritation to the gastrointestinal and digestive tracts. May cause irritation to eyes and skin. May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

## Section 12 Ecological Information:

Product diluted with large amounts of water and followed by secondary waste treatment should not cause adverse environmental effects.

## Section 13 Disposal Considerations:

Dispose of recovered material in accordance with Federal, State and local regulations.

## Section 14 Transportation Information:

For transportation information regarding this product, contact H.R. Simon & Company, Inc. (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 reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR 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 is 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.