

# 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 Part B  
**MSDS Number:** S60-045B

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

## Section 2 Composition (Ingredients required)

Name	%	CAS Number	ACGIH (TLV)	OSHA (PEL)
Diethylene Glycol	25-35	111-46-6	None	None
1,5 Pentanediol	30-40	111-30-8	0.1 ppm	0.1 ppm
Sodium Bisulfite	35-40	7631-90-5	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

## Section 3 Hazards Identification:

**Contains** Sodium Bisulfite (7631-90-5), 1,5 Pentanediol (111-30-8)  
Harmful if swallowed  
Causes severe eye & skin 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 with water for fifteen minutes. If symptoms persist, seek medical help.  
**Ingestion:** Conscious subject: Immediately give large amounts of water. Do not 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:** Wear full protective gear with facemask.  
**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 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 Part B

**Boiling Point:** >212<sup>0</sup>F

**Appearance:** Clear yellowish liquid

**Specific Gravity:** 1.12 @ 15.5<sup>0</sup>C

**Solubility in Water:** Complete

**Odor:** Slight aldehyde odor

**pH Level:** 2.6 @ 25<sup>0</sup> C

## Section 10 Stability and Reactivity:

**Chemical stability:** Stable **Incompatibility:** oxidizing agents, strong alkaline materials, strong acids.

**Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of sulfur in combustible environment. **Hazardous Polymerization:** Will not occur

## Section 11 Toxicology Information:

Harmful if swallowed. May cause irritation to the gastrointestinal and digestive tracts. Causes irritation to the eyes. May cause conjunctivitis or redness to eyes. May cause irritation to skin. Vapor may be irritating to respiratory tract. 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: None

## 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 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.