

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: HS Developer Part 4
MSDS Number: S50-074

Chemical Family: Aqueous Solution
Date: 1/03

Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)
Glutaraldehyde	<25°	111-30-8	0.2 ppm	0.2 ppm
Acetic Acid	2-4	64-19-7	10 ppm	10 ppm
Sodium Bisulfite	2-4	7681-57-4	5 mg/m ³	5 mg/m ³

Section 3 Hazards Identification:

Danger! Contains: Glutaraldehyde (111-30-8), Acetic Acid (64-19-7)
Causes severe skin and eye burns
Harmful if swallowed. Vapor Irritating to eyes and respiratory tract
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. 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: Full turnout clothing and SCBA(Self-Contained Breathing Apparatus)
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 material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage:

Wear personal protective equipment when handling this material. Use latex, rubber, or neoprene gloves, safety glasses with side shields, chemical resistant apron and respirator.
No special storage problems.

Section 8 Exposure Controls:

NOISH approved respirator. 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 apron.

Section 9 Physical Chemical Properties:

Boiling Point: >212 °F
Appearance: Yellow Liquid

Solubility in Water: Complete
Odor: Aldehyde Odor

MSDS Specific Gravity: 1.1 @ 15.5°C pH Level: 3.0 @ 25°C
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Section 10 Stability and Reactivity:

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Chemical stability: stable. **Incompatibility:** Strong oxidizing agents, alkaline materials, or strong acids.

Decomposition Products: carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: will not occur

Section 11 Toxicology Information:

Ingestion: Toxic. May cause irritation of the mouth, throat, esophagus and stomach.

Inhalation: Vapor may be irritating to respiratory tract. May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

Skin Contact: May cause irritation to skin

Eye Contact: Causes irritation to eyes. May cause conjunctivitis or redness to eyes.

Section 12 Ecological Information:

Small quantities diluted with water are 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:

For transportation 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 the reporting requirements of Section 313 or Title III of the Superfund Amendments Reauthorization Act (SARA) of 1986 and 40 CFI 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 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