

# 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 Family:** Aqueous Solution  
**Date:** 01/09

**Chemical Name:** Hardener  
**MSDS Number:** S50-091c Additional Hardener

## Section 2 Composition (Ingredients required)

Name	%	CAS Number	ACGIH(TLV)	OSHA (PEL)
1,5 Pentanedial	10-25	111-30-8	0.2 ppm ceiling	0.2 ppm
Water	60-90	7732-18-5	No Data	-----

## Section 3 Hazards Identification:

**Warning! Contains** 1,5 Pentanedial (111-30-8)  
Causes Skin and Eye Burns  
Harmful if swallowed. Vapor may be irritating to eyes and respiratory tract  
May cause an 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:** SCAB (self-contained Breathing Apparatus) and full turn-out gear.  
**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:

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 a chemical resistant apron.

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## Section 9 Physical Chemical Properties:

Chem-Blend Developer Part C

**Boiling Point:** >212°F  
**Appearance:** Clear liquid  
**Specific Gravity:** 1.15 @ 15.5°C

**Solubility in Water:** Complete  
**Odor:** Aldehyde Odor  
**pH Level:** 2.5 @ 25°C

## Section 10 Stability and Reactivity:

**Chemical stability:** stable. **Incompatibility:** oxidizing agents. **Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Oxides of Sulfur in combustible environment.  
**Hazardous Polymerization will not occur.**

## Section 11 Toxicology Information:

Inhalation of vapors is corrosive to mucous membranes and respiratory tract. May burn or cause corneal damage to eyes. May cause burns to skin. Ingestion may cause burns to mucous membranes, mouth and gastrointestinal tract. Toxic by ingestion. May cause irritation of the mouth, throat, esophagus and stomach.

## Section 12 Ecological Information:

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

## Section 13 Disposal Considerations:

Dispose of recovered materials through a licensed contractor or a waste water treatment system. Comply with all federal, state and local regulations.

## Section 14 Transportation Information:

### Non-regulation

For additional 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 report requirements of section 313 or Title III of the Superfund Amendments 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