

# 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:** Fixer Systems Cleaner  
**MSDS Number:** S70-014

**Chemical Family:** Aqueous Solution  
**Date:** 1/03

## Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)
Sodium Hydroxide	-----	1310-73-2	2mg/m <sup>3</sup>	
EDTA		64-02-08		
Sodium Gluconate		527-07-1		

## Section 3 Hazards Identification:

**Danger! Contains:** Sodium Hydroxide (1310-73-2)  
Causes severe burns to eyes, skin and respiratory tract  
May cause burns to mouth, throat and gastrointestinal tract

## 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 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:** 165<sup>0</sup>F  
**Extinguishing Media:** Use media for surrounding material  
**Fire Fighting Procedures:** Full turnout clothing and SCBA(Self-Contained Breathing Apparatus)  
**Unusual Fire and Explosion Hazards:** Use fog to cool containers.

## Section 6 Accidental Release Measures:

Small spills may be mopped up. Soak spill with saw dust, sand, oil dry, or any other absorbent material. Neutralize area with Sodium Bicarbonate. Dispose of recovered 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 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:

Fixer Systems Cleaner

Odor  
**Boiling Point:** >212<sup>0</sup>F  
**Appearance:** clear liquid

**Solubility in Water:** Complete  
**Odor:** Slight Indistinguishable

**Specific Gravity:** 1.029 @ 15.5<sup>0</sup>C

**pH Level:** Above 13 @ 25<sup>0</sup>C

## Section 10 Stability and Reactivity:

**Chemical stability,** stable. **Incompatibility:** Strong acids, reducing sugars. **Decomposition Products:** Carbon Monoxide when related with reducing sugars. **Hazardous Polymerization will occur**

## Section 11 Toxicology Information:

**Ingestion:** May result in burns to the mouth, throat and gastrointestinal tract.  
**Skin Contact:** May cause burns and irritation to skin  
**Eye Contact:** May cause burns and irritation to eyes.  
**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 followed by a secondary waste treatment system should not cause adverse environmental effects.

## Section 13 Disposal Considerations:

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

## Section 14 Transportation Information:

For transportation information for this product, please call H.R. Simon & Co., 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 CFR 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. Such conditions must comply with all government regulations