

# 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 Powder Part 1  
**MSDS Number:** S50-071

**Chemical Family:** Alkaline Compound  
**Date:** 01/06

## Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)
Potassium Hydroxide	90	1310-58-3	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>

## Section 3 Hazards Identification:

**Danger! Contains: Potassium Hyrdoxide**  
**Causes severe skin and eye burns.**  
**Harmful if swallowed. Vapor extremely irritating to eyes and respiratory tract.**  
**Corrosive to human tissue. Toxic to humans. Violent exothermic reaction with water**

## 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 persists, 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 protective clothing  
**Unusual Fire and Explosion Hazards:** Avoid direct contact with water as this may cause violent exothermic reaction.

## Section 6 Accidental Release Measures:

Shovel or scoop material into drums for disposal by hazardous waste contractors. Spill residue may be neutralized with dilute acid. Flush spill area with water followed by a liberal covering of sodium bicarbonate. Dispose of recovered materials in accordance with all federal, state, and local regulations.

## Section 7 Handling and Storage:

Handle material with rubber gloves, safety glasses with side shields or chemical goggles.  
Wear a chemical resistant apron. Store in cool, dry area. Protect from moisture and air.

## 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 neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron.

## Section 9 Physical Chemical Properties:

**Boiling Point:** No data  
**Appearance:** White Flake  
**Specific Gravity:** N/A

**Solubility in Water:** Complete  
**Odor:** none  
**ph Level:** N/A

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## Section 10 Stability and Reactivity:

## HS Developer Powder Part 1

**Chemical stability:** This product is stable under normal conditions.

**Incompatibility: (Avoid the following):** This product may be added to water slowly with constant stirring. Avoid contact with Aluminum, tin, zinc, and alloys containing these metals. Avoid acids. **Hazardous Polymerization will not occur.**

## Section 11 Toxicology Information:

**Ingestion:** May cause severe burns to mucous membranes and digestive tract.

**Inhalation:** Vapors extremely irritating. May cause burns to mucous membranes and upper respiratory tract. May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

**Skin Contact:** Causes severe burns to skin

**Eye Contact:** Causes severe burns to eyes

## Section 12 Ecological Information:

No Data

## Section 13 Disposal Methods:

Scoop or shovel spilled material into plastic drums for disposal by a hazardous waste contractor. Spill residue may be neutralized with dilute acid. Flush area with water followed by a liberal covering of sodium bicarbonate. Dispose of recovered materials 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 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 = 3**

**FLAMMABILITY = 0**

**REACTIVITY = 2**

**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 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