

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: SEF2 Developer Part A
MSDS Number: S60-SEF2

Chemical Family: Aqueous Solution
Date: 01/09

Section 2 Composition (Ingredients required)

Name	%	CAS Number	ACGIH (TLV)	OSHA (PEL)
Boric Acid	2-10	10043-35-3	None	None
Hydroquinone	4-8	123-31-9	2mg/m ³	2mg/m ³
Potassium Hydroxide	8-12	1310-58-3	2mg/m ³	2mg/m ³
Sodium Bisulfite	25-35	7681-57-4	5mg/m ³	5mg/m ³

Section 3 Hazards Identification:

Warning! Contains Hydroquinone (123-31-9), Potassium Hydroxide (1310-58-3), Sodium Bisulfite (7681-57-4)
Harmful if swallowed
Causes eye & skin irritation

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. 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: No special procedures
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 material 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 chemical resistant apron.

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Section 9 Physical Chemical Properties:

SEF2 Developer Part A

Boiling Point: >212°F
Appearance: Clear liquid
Specific Gravity: 1.27 @ 15.5°C

Solubility in Water: Complete
Odor: Slight indistinguishable odor
pH Level: 11.1 @ 25°C

Section 10 Stability and Reactivity:

Chemical stability: stable **Incompatibility:** strong alkaline materials
Hazardous Polymerization: will not occur

Section 11 Toxicology Information:

Harmful if swallowed. May cause irritation to the gastrointestinal and digestive tracts. May cause irritation to eyes and skin. 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: Hydroquinone

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 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.