

MSDS

H.R. Simon and Company, Inc. (800) 638-9460
for chemical **Emergency: (800) 424-9300**

Section 1 Identification:

Chemical Name: AutoChem Developer
MSDS Number: S40-020 S40-023
L40-020 L40-023
091-1974 52597

Chemical Family: Aqueous Solutions
Date: 1/01

Section 2 Composition (Ingredients required):

Name	CAS Number	ACGIH (TLV)	OSHA (PEL)
Hydroquinone	123-31-9	2mg/m ³	2mg/m ³
Sodium Bisulfite	7631-90-5	5mg/m ³	-----
Glutaraldehyde	111-30-8	-----	0.2 ppm

Section 3 Hazards Identification:

Warning! Contains: Hydroquinone, Sodium Bisulfite, and Glutaraldehyde
May irritate eyes or skin
Inhalation may irritate respiratory 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 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 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 neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron.

Section 9 Physical Chemical Properties:

Boiling Point: >212°F
Appearance: Clear liquid
Specific Gravity: 1.079 - 1.080 @15°C

Solubility in Water: Complete
Odor: Slight indistinguishable odor
pH Level: 10.3 @25°C

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Section 10 Stability and Reactivity:

AutoChem Developer

Chemical Stability: Stable

Incompatibility: Strong Alkaline Materials

Decomposition Products: If heated to dryness, oxides of sulfur could be released.

Section 11 Toxicology Information:

May irritate eyes, skin and respiratory tract. May cause skin rash. 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 secondary waste treatment system should not cause 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:

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 CFR 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 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 government regulations.

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H.R. Simon and Company, Inc. (800) 638-9460
for chemical **Emergency: (800) 424-9300**

Section 1 Identification

Chemical Name: AutoChem Fixer
MSDS Number: S40-025 52598
L40-025 091-1990

Chemical Family: Working Solution
Date: 01/01

Section 2 Composition (Ingredients required):

Name	CAS Number	ACGIH (TLV)	OSHA (PEL)
Ammonium Thiosulfate	7783-18-8	Not Established	Not Established
Sodium Bisulfite	7631-90-5	5mg/m ³	Not Established
Sodium Acetate	127-09-3	Not Established	Not Established
Sodium Sulfite	7757-83-7	Not Established	Not Established
Aluminum Sulfate	10043-01-3	2mg/m ³	Not Established

Section 3 Hazards Identification:

Warning! Contains: Sodium Bisulfite
May irritate eyes or skin
Inhalation may irritate respiratory 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 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 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 neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron.

Section 9 Physical Chemical Properties:

Boiling Point: >212°F
Appearance: Colorless
Specific Gravity: 1.08 @15°C
Solubility in Water: Complete
Odor: Slight Ammonia Odor
pH Level: 4.2 @25°C

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Section 10 Stability and Reactivity:

Auto Chem Fixer

Chemical Stability: Stable. **Incompatibility:** Strong Alkaline Materials.
Decomposition Products: None. **Hazardous Polymerization,** will not occur.

Section 11 Toxicology Information:

May irritate eyes, skin and respiratory tract. May cause skin rash. 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 secondary waste treatment system should not cause adverse environmental effects.

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Materials known to state of California to cause cancer: None
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International Agency for Research of Cancer (IARC): None
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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

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HEALTH=1
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