

Material Safety Data Sheet

BIEBRICH SCARLET SOLUTION

Section 1 - Chemical Product and Company Identification

MSDS Name: Biebrich Scarlet Solution

Catalog Numbers: F-352-1, SO-303

Company Identification: ROWLEY BIOCHEMICAL
10 ELECTRONICS AVENUE
DANVERS, MA 01923

For information, call: 978-739-4883

Emergency Number: 800-424-9300

For CHEMTREC assistance, call: 800-424-9300

Section 2 - Hazards Identification

GHS Classifications

HEALTH HAZARDS

H303 Acute Oral Toxicity: **5**
H312 Acute Dermal toxicity: **4**
H332 Acute Inhalation Toxicity: **4**
H315-Skin Corrosion/Skin Irritation: **2**
H320-Eye damage/Irritation: **2B**
H341 Germ Cell Mutagenicity: **2**
H361 Reproductive Toxicity: **2**
H373 Specific Target Organ Toxicity: **2**

PHYSICAL HAZARDS

H290-Corrosive to Metals: **1**

ENVIRONMENTAL HAZARDS

H402 Aquatic acute environmental Hazards: **3**
Chronic environmental Hazards: Not classified

Pictograms or Hazard symbols and Hazard statement.



Warning! Causes skin irritation.
Causes eye irritation.
Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled



Warning! May be corrosive to metals.



Warning! Suspected of causing genetic defects. Mutagenic for mammalian somatic cells. Suspected of damaging fertility or unborn child. May cause reproductive affects based on animal data. May cause damage to to the following organs: kidneys, mucuous membranes, skin and teeth through prolonged or repeated exposure



Harmful to aquatic life

H303

P312 Call a physician if you feel unwell.

H312

P280 Wear protective gloves, clothing, and eye and face protection.

P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.

P363 Wash contaminated clothing before reuse

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H332

P261 Avoid breathing fumes/mist/vapors.

P271 Use only outdoors or in a well-ventilated area.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.

H315**P264** Wash thoroughly after handling.**P280** Wear protective gloves.**P302+P352**-IF ON SKIN: Wash with plenty of soap and water.**P332+P313**-If skin irritation occurs: Get medical advice/attention.**P362**-Take off contaminated clothing and wash before reuse**H320****P305+P351+P338**-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P337+P313**-If eye irritation persists: Get medical advice/attention.**H290****P234** Keep only in original container.**P390** Absorb spillage to prevent material damage.**P406** Store in corrosive resistant/container with a resistant inner liner.**H341 + H361****P201** Obtain special instructions before use**P202** Do not handle until all safety precautions have been read and understood.**P281** Use personal protective equipment as required.**P308 + P313** If exposed or concerned, get medical advice/attention**P405** Store locked up.**H373****P260** Do not breathe fume/gas/mist/vapors.**P314** Get medical advice/attention if you feel unwell**H402****P273** Avoid release into the environment.

WARNING! Harmful in contact with skin, if swallowed, or inhaled. **Causes skin irritation. Causes eye irritation.** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not breathe vapors; use with adequate ventilation. **May be corrosive to metals.** Keep only in original container. **Mutagenic suspect!** Suspected of damaging fertility or the unborn child. May cause damage to organs over prolonged exposure.

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
4196-99-0	Biebrich Scarlet	0.2w/v
64-19-7	Glacial acetic acid	1v/v
7732-18-5	Water	99v/v

Section 4 - First Aid Measures

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

Oral Exposure: If Swallowing seek immediate medical advice.

Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Section 5 - Fire Fighting Measures

NFPA HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

Auto ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s):

Wear protective gear.

Methods for Cleaning up: Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 - Handling and Storage

Use care when handling. Wash thoroughly after handling. Store capped at Room temperature. Keep away from incompatible materials.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Mechanical exhaust

Personal Protective Equipment:

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Brown-Reddish

Odor: vinegar-like

water.

Vapor Pressure: 2.3 kPa @ 20deg. C

Vapor Density: 0.62 (Air=1)

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: 100 deg. C

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Decomposition Products: not known

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS#: 4196-99-0: Not Available

LD50/LC50:

CAS#: 4196-99-0 not available

Carcinogenicity:

CAS#: 4196-99-0 Not listed by ACGIH, IARC, NTP, or CA Prop 65.

LD50/LC50:

CAS# 64-19-7: Acute oral toxicity (LD50): 3310 mg/kg [Rat].

Acute dermal toxicity (LD50): 1060 mg/kg [Rabbit].

Acute toxicity of the vapor (LC50): 5620 1 hours [Mouse].

Mutagenicity: CAS# 64-19-7: May affect genetic material based on animal test data.

Reproductive Effects: CAS# 64-19-7: May cause adverse reproductive effects based on animal test data.

Route of exposure:

Multiple routes: May be harmful by inhalation, ingestion, or skin absorption.

Conditions aggravated by exposure:

The toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

Ecotoxicity:

CAS# 4196-99-0

Environmental: No information available.

Physical: No information available.

Other: No information available.

CAS# 64-19-7

Ecotoxicity: Fish: Goldfish: LC50 = 423 mg/l; 24 Hr. 88 ppm; 96 Hr; Fish: Fathead Minnow. 75 ppm; 96 Hr; Fish: Bluegill Sunfish. >100ppm; 96 Hr; Daphnia.

Environmental: No information available.

Physical: No information available.

Other: No information available.

Section 13 - Disposal Considerations

Appropriate method of disposal of substance or preparation:

Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

European/International Regulations

European Labeling in Accordance with EC Directives

Risk Phrases:

R22 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

R52 Harmful to aquatic organisms.

R62/63/64 Possible risk of impaired fertility, harm to the unborn child and/or harm to breast-fed babies

Safety Phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 Wear suitable protective clothing.

S23 Do not breathe gas/fumes/vapour/spray.

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S7 Keep container tightly closed.

S9 Keep container in a well-ventilated place

Section 16 - Additional Information

MSDS Creation Date: 1/8/2010

Revision # 1 10/18/13 MH

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