

Blueing Reagent

Section 1 - Chemical Product and Company Identification

MSDS Name: Blueing Reagent

Catalog Numbers: SO-1041

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

H302 **Acute Oral toxicity:** 4

H313 **Acute Dermal Toxicity:** 5

H333 **Acute Inhalation Toxicity:** 5

H315 **Skin Corrosion/ Skin Irritation:** 2

H319 **Eye Damage/ Irritation:** 2A

H341 **Germ Cell Mutagenicity:** 2

Carcinogenicity: ?

Reproductive Toxicity: NC

H373 **Specific Target Organ Toxicity:** 2

Aspiration Hazard: NC

Physical Hazards

H225 **Flammability:** 2

Environmental Hazards

Acute aquatic environmental hazards: ?

Chronic environmental hazards: ?

Pictograms or Hazard symbols and Hazard statement



Warning! Harmful if swallowed
Warning! May be harmful in contact with skin
Warning! May be harmful if inhaled
Warning! Causes skin irritation
Warning! Causes serious eye irritation



Warning! Suspected of causing genetic defects. Mutagenic for mammalian cells.
Teratogenic effects classified possible in humans (methanol)
May cause damage to the following organs: blood, kidneys, liver, brain, peripheral nervous system, upper respiratory tract, skin, central nervous system, optic nerve and thyroid due to prolonged or repeated exposure.



Danger! Highly flammable liquid and vapour

H302

P264 Wash thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product

P301 + P312 If swallowed, call a physician if you feel unwell.

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

H313

P312 Call a physician if you feel unwell.

H333

P304 + P312

H315

P280

P302 + P352

P321

P332 + P313

P362

H319

P305 + P351 + P338

P337 + P313

H341

P201

P202

P281

P308 + P313
P405
H373
P260
P314

NFPA HEALTH **1** FLAMMABILITY **0** REACTIVITY **0**

CAUTION! **TERATOGEN!** **IRRITANT!** Avoid contact with skin and eyes! and clothing. Do not breathe vapors; use with adequate ventilation.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
554-13-2	Lithium Carbonate	0.044% w/v
144-55-8	Sodium Bicarbonate	0.19% w/v
67-56-1	Methyl alcohol	50% v/v
7732-18-5	Water	50% v/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. Seek immediate medical advice.

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.

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. Avoid contact with skin, eyes and clothing. Store at room temperature.

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: Clear

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Section 10 - Stability and Reactivity

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

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Route of exposure:

Multiple routes: May cause irritation, corrosive. 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

No data 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 waste facility.

Section 14 – Transport Information

DOT

Non-Regulated

Section 15 - Regulatory Information

US Classification and label test

US Statements: Caution: Irritant, corrosive to skin and eyes.

United States Regulatory Information

SARA Listed: No

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.

DSL: no

NDSL: no

Section 16 - Additional Information

MSDS Creation Date: January 13, 2000.

Revision # 11/12/10

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