

# SAFETY DATA SHEET



**Product Name: Bluing Reagent**

**Date: February 12, 2018**

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## SECTION 1: IDENTIFICATION

**Product:** Bluing Reagent

**Product number:** 851

**Synonyms:** Alkaline aqueous solution

**Recommended use:** Laboratory chemical

### Company

Anatech Ltd 1020 Harts Lake Road Battle Creek, MI 49037, USA	24 hour Transportation Emergency Product Technical Information Supplier General Contact	800.424.9300 CHEMTREC 800.262.8324, M-F, 8 AM-5 PM, ET 800.262.8324, M-F, 8 AM-5 PM, ET
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## SECTION 2: HAZARD(S) IDENTIFICATION

### Classification of substance

Not a hazardous substance.

### Signal word/Hazard statement/Pictogram/Precautionary statements

Not a hazardous substance.

### Hazards not otherwise classified

None as defined under 29 CFR 1900.1200.

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS#	Concentration
Sodium bicarbonate	144-55-8	0.2%
Magnesium sulfate	10034-99-8	2%
Biocide	*	0.1%

\*As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals in accordance with applicable provisions of paragraph (i).

## SECTION 4: FIRST-AID MEASURES

### Description of first-aid measures

<b>Inhalation</b>	Remove victim to fresh air if coughing or difficulty in breathing is experienced. Consult a physician if symptoms persist or worsen. Administer oxygen or artificial respiration as needed.
<b>Eye</b>	Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.
<b>Skin</b>	Remove contaminated clothing, including footwear; wash before reuse or discard. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. Consult a physician.
<b>Ingestion</b>	Call a poison center immediately.

### Important symptoms, acute and delayed

No information available.

### Recommendations for immediate medical care and special treatment

See listed first-aid procedures. No information available for special treatment. Treat according to symptoms.

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### **SECTION 5: FIRE-FIGHTING MEASURES**

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**Suitable and unsuitable extinguishing media**

Product is not flammable. Use appropriate media to extinguish surrounding fire.

**Specific hazards arising from the product**

No information available.

**Special protective equipment/precautions for fire-fighters**

Fire-fighters may wear self-contained breathing apparatus if necessary.

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**Personal precautions**

No adverse health effects expected.

**Protective equipment**

Follow general good laboratory practices and wear appropriate personal protective equipment.

**Emergency procedures**

Follow general good laboratory practices and wear appropriate personal protective equipment.

**Methods and materials for containment and cleanup**

Wash area with soap and water.

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### **SECTION 7: HANDLING AND STORAGE**

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**Precautions for safe handling**

Follow general good laboratory practices and wear appropriate personal protective equipment.

**Conditions for safe storage including incompatibilities**

Keep containers tightly closed.  
Store at room temperature.

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### **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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**Exposure limits**

Chemical name	CAS#	Exposure Limit	Value
Sodium bicarbonate	144-55-8	None established	
Magnesium sulfate	10034-99-8	None established	
Biocide	Trade secret	-	

**Appropriate engineering controls**

Good general room ventilation.

**Personal protective measures**

<b>Respiratory protection</b>	None needed.
<b>Eye protection</b>	Use splash-proof goggles. An eyewash station must be nearby, no more than 10 seconds away.
<b>Skin protection</b>	Wear nitrile or chemical resistant gloves. Do not use latex surgical gloves for protection. Safety shower must be nearby, no more than 10 seconds away.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Property	Value
Appearance	Colorless liquid
Odor	None
Odor threshold	No information available
pH	7.5-8.5
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition	No information available
Viscosity	No information available

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### SECTION 10: STABILITY AND REACTIVITY

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**Reactivity**

No hazardous reactions if stored and handled as indicated.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reaction**

The product is chemically stable.

**Conditions to avoid**

None known.

**Incompatible materials**

Due to the dilute nature of this alkaline product, this product is only slightly reactive with acids.

**Hazardous decomposition products**

No information available.

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### SECTION 11: TOXICOLOGICAL INFORMATION

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**Likely routes of exposure**

Skin and eyes.

**Symptoms related to physical, chemical and toxicological characteristics**

No information is known.

**Delayed and immediate effects**

No information is known.

**Chronic effects from short- and long-term exposure**

No information available.

**Numerical measures of toxicity**

No information available.

**Assessment of other acute effects**

No information available.

**Carcinogenicity**

None as defined by 29 CFR 1900.1200.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity**

This solution is not expected to be harmful to the environment.

**Persistence and degradability**

No environmental information is known.

**Bioaccumulative potential**

No environmental information is known.

**Mobility in soil**

No environmental information is known.

**Other adverse effects**

No information available.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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Drain disposal may be possible with the permission of local wastewater treatment authorities. Otherwise contact a licensed professional waste disposal service to dispose of this material. Proper waste disposal is the generator's responsibility. Follow federal, state (provincial) and local regulations.

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**SECTION 14: TRANSPORT INFORMATION**

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**DOT (USA) and IATA**

Not regulated as a dangerous good.

**Marine pollutant**

No information available.

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**SECTION 15: REGULATORY INFORMATION**

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**OSHA Hazard Communication Standard**

This product is not considered hazardous per 29 CFR 1910.1200.

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**SECTION 16: OTHER INFORMATION**

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**NFPA (National Fire Protection Association) Rating**

General note: The ratings provide information to emergency personnel on the fire hazards associated with the chemical. It is not descriptive of hazards under normal conditions of occupational use.

<b>Health</b>	0	Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
<b>Flammability</b>	0	Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
<b>Instability</b>	0	Materials that in themselves are normally stable, even under fire conditions.

**Disclaimer**

Anatech Ltd. believes the information in the SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn may be from sources other than direct test data on the substance itself. It is the user's responsibility to determine suitability of the product for his/her own use, and to assure proper use and disposal of it to protect the safety and health of employees and the protection of the environment.

**Date of preparation**

February 12, 2018