

SAFETY DATA SHEET

Product Name: Bluing Reagent
Date: February 12, 2018
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anatech[®]
A Division of Cancer Diagnostics, Inc.

SECTION 1: IDENTIFICATION

Product: Bluing Reagent
Product number: 851
Synonyms: Alkaline aqueous solution
Recommended use: Laboratory chemical

Company

Cancer Diagnostics-Anatech Division 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

Inhalation	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.
Eye	Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.
Skin	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.
Ingestion	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

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

SECTION 7: HANDLING AND STORAGE

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.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Respiratory protection	None needed.
Eye protection	Use splash-proof goggles. An eyewash station must be nearby, no more than 10 seconds away.
Skin protection	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

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

SECTION 10: STABILITY AND REACTIVITY

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.

SECTION 11: TOXICOLOGICAL INFORMATION

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

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.

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

DOT (USA) and IATA

Not regulated as a dangerous good.

Marine pollutant

No information available.

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is not considered hazardous per 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

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.

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

Disclaimer

The information in this SDS was obtained from sources deemed reliable. 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, Reviewed February 14, 2025