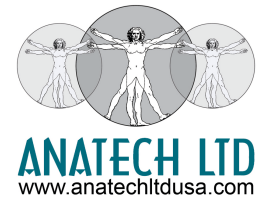


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SECTION 1: IDENTIFICATION

Product: Alcian Blue, Certified

Product number: 862, 864

Synonyms: Ingrain Blue 1

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
Alcian Blue (C.I. 74240)	33864-99-2	100%

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.

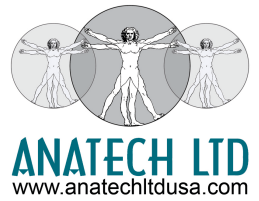
Important symptoms, acute and delayed

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

Use water spray, dry chemical or carbon dioxide.

Specific hazards arising from the product

Emits toxic fumes under fire conditions.

Special protective equipment/precautions for fire-fighters

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.
Avoid dust formation.
Avoid contact with skin and eyes.

Protective equipment

Wear appropriate personal protective equipment.

Emergency procedures

See information in sub-section above.

Methods and materials for containment and cleanup

Sweep up and collect in suitable container for disposal.
Avoid dust formation.
Wash area with soap and water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes.
Avoid dust formation.
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
Alcian Blue, C.I. 74240	33864-99-2	None established	

Appropriate engineering controls

Good general room ventilation.
If required provide local exhaust ventilation, especially in confined areas.

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Personal protective measures

Respiratory protection	None generally needed for this small volume. When risk assessment shows one is necessary, wear appropriate dust particle mask.
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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Blue powder
Odor	None
Odor threshold	No data available
pH	Not applicable
Melting point/freezing point	No information available
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
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	Not applicable
Solubility(ies)	Moderate 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.

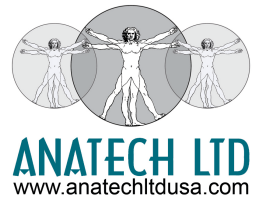
Incompatible materials

Strong oxidants.

Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

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SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure

Skin, eye, inhalation.

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 for this material. Alcian Blue is a copper compound. Target organ effects due to chronic copper poisoning include damages to the liver, brain, kidney, eyes, blood and blood vessels.

Numerical measures of toxicity

No information available.

Assessment of other acute effects

No information available.

Carcinogenicity

None as defined by 29 CFR 1900.1200.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No environmental information is known.

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)

Not regulated as a dangerous good.

IATA

Not regulated as a dangerous good.

Marine pollutant

No information available.

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SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is not considered hazardous per 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

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

June 1, 2015

Reviewed August 19, 2019, no changes.