

Safety Data Sheet

LIFELINE CELL TECHNOLOGY SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: 1.0% Alcian Blue
Product Number: CM-0052
Company Address: Lifeline Cell Technology
8415 Progress Drive, Suite T
Frederick, MD 21701
Technical Phone: (877) 845-7787
Fax: (443) 393-0393
Emergency Phone: (877) 845-7787
Product use: Cell/Tissue culture

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Identification:

GHS Classification

Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

GHS Label elements including precautionary statements:



Pictograms:

Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary statements

P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required.
P285 In case of inadequate ventilation wear respiratory protection
P301+P330+P331 If swallowed: Rinse mouth. Do not induce vomiting.
P303+P361+P353 If on skin or hair: Remove/takeoff off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/physician.
P305+P351+P338+P310 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call poison center or doctor/physician.
P363 Wash contaminated clothing before reuse
P405 Store locked up
P501 Dispose of contents/container to an approved waste disposal plant

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Principal Components:	Alcian Blue	CAS number:	75881-23-1
	Acetic Acid	CAS number:	64-19-7
	Water	CAS number:	7732-18-5

Composition: The subject formulation is a solution of 0.5-1.5% Alcian Blue, 2-5% Acetic Acid and purified water.

Hazardous components:

Acetic Acid:	CAS #: 64-19-7	EC #: 200-580-7	Index #: 607-002-00-6
	Concentration: 2-5%		
	Classification: Flam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318		

Synonym: N/A

SECTION 4 – FIRST AID MEASURES

First aid measures in case of exposure:

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Oral Exposure: If swallowed, rinse out mouth with water provided person is conscious. Do not induce vomiting. Call a physician.

Dermal Exposure: In case of contact with skin, flush with copious amounts of water for at least 15 minutes. Should irritation occur, call a physician.

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.

Most important symptoms and effects, acute or delayed: Refer to section 2 for most important symptoms and effects, acute or delayed.

Recommendations for immediate medical care or treatment: No data available.

SECTION 5 – FIRE FIGHTING MEASURES

General Fire hazard: Product does not present any special fire hazard. Carbon oxides may be released in a fire.

Flash point: N/A

Extinguishing media: Use media appropriate for the material that is burning.

Advice for Firefighters: Wear self-contained breathing apparatus if necessary.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment: Refer to section 8 for appropriate personal protection.

Environmental Precautions: No special environmental precautions are required.

Methods for Clean Up: Absorb liquid with disposable laboratory towel or other absorbent material and then place in a closed container for disposal. Wash spill site after liquid cleanup is complete with cleansers appropriate for the spill site surface material.

SECTION 7 – HANDLING AND STORAGE

Precautions for Handling: Refer to section 8 for appropriate personal protection. Avoid contact with eyes, skin or clothing. Product may cause allergic reaction in sensitized individuals. Do not pipet by mouth.

Storage: Keep container tightly closed. Store at room temperature. Protect from light.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Component	CAS#	Value	Control Parameters	Basis
Acetic Acid	64-19-7	TWA	10.00000 ppm	USA ACGIH Threshold Limit Values (TLV)
	Remarks	Pulmonary function Upper respiratory Tract irritation Eye irritation		
		STEL	15.00000 ppm	USA ACGIH Threshold Limit Values (TLV)
		Pulmonary function Upper respiratory Tract irritation Eye irritation		
		ST	15.00000 ppm 37.00000 mg/m ³	USA NIOSH Recommended Exposure Limits
		Can be found in concentrations of 5-8% in vinegar.		
		TWA	10.00000 ppm 25.00000 mg/m ³	USA NIOSH Recommended Exposure Limits
		Can be found in concentrations of 5-8% in vinegar.		
		TWA	10.00000 ppm 25.00000 mg/m ³	USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants.
		The value in mg/m ³ is approximate.		

Engineering Controls: Eye wash stations are required.

Ventilation: Area ventilation is generally adequate.

Personal Protective Equipment:

Respiratory: Respirator is not required.

Hand: Chemical resistant gloves required.

Eye: Safety glasses or goggles required.

Clothing: Laboratory coat recommended.

General Hygiene Measures: Wash hands thoroughly after handling.

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SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

Appearance: Blue liquid

Upper/lower flammability or Explosive limits: No data available

Odor: Slight odor resembling vinegar

Vapor pressure: No data available

Odor threshold: No data available

Vapor density: No data available

pH: No data available

Relative density: No data available

Freezing point: No data available

Solubility: Soluble in water

Boiling point: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: Not flammable

Upper/lower flammability or explosive limits: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Viscosity: No data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage and usage conditions.

Possible hazardous reactions: No data available

Conditions to be avoided: No data available

Incompatible materials: Strong oxidizing agents, metals, amines, peroxides, permanganates, soluble carbonates and phosphates, hydroxides

Hazardous decomposition products: Carbon oxides may be released in a fire.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure: Ingestion, skin, eye contact.

Acute toxicity: No data available

Inhalation: No data available

Dermal: No data available

Other: No data available

Chronic toxicity: No data available

Skin corrosion/irritation: No data available

Eye damage: No data available

Sensitization (Respiration or Skin): No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

Teratogenicity: No data available

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Carcinogenicity

NTP: not listed
IARC: not listed
OSHA: not listed

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Persistence/Degradability: No data available
Bioaccumulation Potential: No data available
Mobility in Soil: No data available. Expected to be mobile in soil due to high solubility in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

RCRA hazardous waste code: Not listed as a hazardous waste.
Appropriate disposal containers: No specific restrictions on waste container type.
Appropriate Method of Disposal: Clean up and dispose of waste in accordance with all federal, state and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

UN number: N/A
Proper Shipping Name: None. (Contains less than 10% Acetic Acid)
DOT: Non-hazardous for transport.
IMDG: Non-hazardous for transport.
IATA: Non-hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

SARA 302 Components: No chemicals in this product are subject to SARA Title III, Section 302.
SARA 313 Components: This product does not contain chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.
SARA 311/312: Acute health hazard, Chronic health hazard

Massachusetts Right to Know Components: Acetic Acid CAS number: 64-19-7

Pennsylvania Right to Know Components: Alcian Blue CAS number: 75881-23-1
Acetic Acid CAS number: 64-19-7
Water CAS number: 7732-18-5

New Jersey Right to Know Components: Alcian Blue CAS number: 75881-23-1
Acetic Acid CAS number: 64-19-7

California Prop. 65 Components: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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SECTION 16 – OTHER INFORMATION

Preparation information:

Prepared by: Quality Department
Date Prepared: March 10, 2015
Replaced Version date: July 30, 2012

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