



LIFELINE CELL TECHNOLOGY MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: 1.0% Alcian Blue Stain

Product Number: CM-0052

Company Address: Lifeline Cell Technology
32 East Frederick Street
Walkersville, MD 21793

Technical Phone: (877) 845-7787

Fax: (301) 845-0885

Emergency Phone: (877) 845-7787

SECTION 2 – COMPOSITION / INFORMATION ON COMPONENTS

Liquid: The subject formulation is a 1% solution of Alcian Blue, 3% acetic acid and approximately 96% water.

Alcian Blue	CAS# 75881-23-1	EC# 278-333-8	1% concentration
Acetic Acid	CAS# 64-19-7	EC# 200-580-7	3% concentration

Synonyms: NA

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards: Target Organ Effect, Harmful by skin absorption., Skin sensitiser, Corrosive

Target Organs: Teeth., Kidney

HMIS Classification

Health hazard: 3

Chronic Health Hazard: *

Flammability: 0

Physical hazards: 1

NFPA Rating

Health hazard: 3

Fire: 0

Reactivity Hazard: 0

FOR PRODUCT ORDERING CONTACT CUSTOMER SERVICE:
10 EAST FREDERICK STREET, WALKERSVILLE, MD 21793
TOLL FREE: (877) 845-7787
FAX: (301) 845-2405
WWW.LIFELINECELLTECH.COM

ISSUE DATE: Jan. 15, 2008

Potential Health Effects

Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin: Harmful if absorbed through skin. Causes skin burns.

Eyes: Causes eye burns.

Ingestion: May be harmful if swallowed. Causes burns.

SECTION 4 – FIRST AID MEASURES

Oral Exposure: If swallowed, rinse out mouth with water and provided person is conscious drink 1-2 cups of water to dilute. Call a physician.

Dermal Exposure: In case of contact with skin, flush with copious amounts of water for at least 15 minutes.

Eye Exposure: In case of contact with eyes, flush immediately with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion hazard: None

Use extinguishing media appropriate to surrounding fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Methods for Clean Up: Absorb on laboratory towel and place in closed container for disposal. Ventilate area and wash spill site after material cleanup is complete.

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid inhalation. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure.

Storage: Keep container tightly closed. Store at room temperature.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component with workplace control parameters

Acetic acid CAS# 64-19-7

10 ppm (TWA) Source: USA. ACGIH (TLV) rev. 2007-01-01

15 ppm (STEL) Source: USA. ACGIH (TLV) rev. 2007-01-01

10 ppm, 25 mg/m³ (TWA) Source: USA. OSHA - TABLE Z-1 (Limits for Air Contaminants) 1910.1000 rev. 1989-01-19

10 ppm, 25 mg/m³ (TWA) Source: USA. USA. Occupational Exposure Limits (OSHA) - Table Z-1 (Limits for Air Contaminants) rev. 1997-08-04

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Engineering Controls: Eye wash stations are required.

Ventilation: Area ventilation is generally adequate.

Personal Protective Equipment:

Respiratory: Respirator not required.

Hand: Chemical resistant gloves required.

Eye: Safety glasses or goggles required.

General Hygiene Measures: Wash hands thoroughly after handling.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

Appearance: Dark Blue Liquid with an odor of vinegar.

SECTION 10 – STABILITY AND REACTIVITY

Stable. Avoid contact with bases. Releases carbon oxides with decomposition.

SECTION 11 – TOXICOLOGICAL INFORMATION

Potential Health Effects

Inhalation: May cause coughing, wheezing or shortness of breath to sensitive individuals. Remove to a well ventilated area if this occurs.

Skin: May cause reddening, itching of the skin. Causes skin burns.

Eyes: Causes eye burns. May cause damage to the cornea and conjunctiva and loss of vision.

Ingestion: May cause nausea, vomiting, burning and diarrhea.

Chronic Exposure: May cause thickening of the skin, dermatitis.

SECTION 12 – ECOLOGICAL INFORMATION

Information is non-applicable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal: Clean up and dispose of waste in accordance with all federal, state and local environmental regulations. Small amounts of this material may be suitable for sewer disposal after being neutralized to pH 7.

SECTION 14 – TRANSPORT INFORMATION

DOT: This product is considered to be non-hazardous for transport.

Proper Shipping Name: None.

IATA: This product is considered to be non-hazardous for air transport.

SECTION 15 – REGULATORY INFORMATION

OSHA Hazards: (Acetic Acid) Harmful by skin absorption., Skin sensitiser, Corrosive

TSCA Status: Not On TSCA Inventory
Alcian Blue CAS# 75881-23-1

DSL Status:
This product contains the following component that is not on the Canadian DSL nor NDSL lists.
Alcian Blue CAS# 75881-23-1

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components
Acetic acid CAS# 64-19-7 Rev. 2007-03-01

Pennsylvania Right To Know Components
Acetic acid CAS# 64-19-7 Rev. 2007-03-01
Alcian Blue CAS# 75881-23-1

New Jersey Right To Know Components
Acetic acid CAS# 64-19-7 Rev. 2007-03-01
Alcian Blue CAS# 75881-23-1

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



SECTION 16 – OTHER INFORMATION

Disclaimer: This product is for research and development use only. Not for clinical or household use.

Warranty: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. Lifeline Cell Technology reserves the right to revise this MSDS periodically as new information becomes available. It does not represent any guarantee of the properties of the product. Lifeline Cell Technology shall not be held liable for any damage resulting from handling or from contact with the above product.

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