

# SAFETY DATA SHEET

## Alcian Blue

### 1. IDENTIFICATION

#### Product Identifiers

Product Name:	Alcian Blue
Other Names:	Ingrain Blue; Alcian Blue stain; Alcian blue 1% in 3% acetic acid.
Product Number(s):	AALCB-100
CAS Number:	-

#### Recommended use of the chemical and restriction on use

Laboratory use.  
Used in hospital and pathology laboratories only.

#### Company Details

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Australia

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#### Emergency Contact Details

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### 2. HAZARDS IDENTIFICATION

## Classification of the substance or mixture

H226 Flam. Liq. 3  
H314 Skin Corr. 1A,

## Label Elements



## Signal Words

Warning

## Hazard Statement(s)

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

## Precautionary Statement(s)

Not available.

## Primary route(s) of entry

Not available.

## Human Health

Inhalation:	May cause respiratory irritation, coughing, discomfort, difficulty breathing and shortness of breath.
Ingestion:	May cause irritation of mouth, throat and stomach, mucous build up, stomach pain, nausea, vomiting and diarrhoea.
Eyes:	May cause eye irritation, stinging, tearing and blurred vision.
Skin:	May cause skin irritation, itchiness and redness.

## Environment

Not available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Name</b>	<b>CAS No.</b>	<b>Content (w/w)</b>	<b>Classification</b>
acetic acid	64-19-7	3%	Flam. Liq. 3, H226; Skin Corr. 1A, H314

### 4. FIRST AID MEASURES

#### **Ingestion**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give 3 to 4 glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

#### **Inhalation**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

#### **Skin Contact**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms persist.

#### **Eye Contact**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms persist.

#### **Other Information**

No further relevant information available.

### 5. FIREFIGHTING MEASURES

#### **Suitable extinguishing equipment**

Use fire extinguishing methods suitable to surrounding conditions.

#### **HAZCHEM**

Not available.

## **Special protective equipment and precautions for fire fighters**

Hazardous combustion products include oxides of carbon and smoke. Product is not flammable or combustible. When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective equipment. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

### **Environmental precautions**

In the event of a major spill, prevent spillage from entering drains or water courses.

### **Methods and materials for containment and clean up**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

### **Conditions for safe storage**

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from heat. Keep away from strong oxidising agents, acids and alkalies.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Exposure Standards

Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
acetic acid	10 ppm	25 mg/m <sup>3</sup> ,	15 ppm	37 mg/m <sup>3</sup>

## Engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

## Personal protective equipment

### Eye and face protection

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

### Skin protection

PVC or natural rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

.Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

### Body protection

No information available.

### Respiratory protection

Use approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

Appearance	Bright blue liquid
Odour	Not available.
pH	Not available.
Vapour Pressure	at 20 °C: 23 hPa
Density	1 g/cm <sup>3</sup>
Boiling Point	100 °C
Melting Point	0 °C
Solubility	Soluble in water.
Specific Gravity of Density	Not available.
Flash Point	Not applicable.
Flammable (Explosive) Limits	Not applicable.
Ignition Temperature	Not applicable.
Formula	Not available.

## 10. STABILITY AND REACTIVITY

### **Reactivity**

No further relevant information available.

### **Chemical stability**

Stable at ambient temperature and under normal conditions of use.

### **Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

### **Conditions to avoid**

Extreme temperatures.

### **Incompatible materials**

Strong oxidising agents, acids and alkalies.

## 11. TOXICOLOGICAL INFORMATION

### **Acute effects**

No information available.

### **Eye contact**

May cause eye irritation, stinging, tearing and blurred vision.

### **Skin contact**

May cause skin irritation, itchiness and redness.

### **Ingestion**

May cause irritation of mouth, throat and stomach, mucous build up, stomach pain, nausea, vomiting and diarrhoea.

### **Inhalation**

May cause respiratory irritation, coughing, discomfort, difficulty breathing and shortness of breath.

### **Toxicity and irritation**

LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

64-19-7 acetic acid

Oral LD<sub>50</sub> 3310 mg/kg (rat)

Dermal LD<sub>50</sub> 1060 mg/kg (rabbit)

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

No further relevant information available.

### **Persistence and degradability**

No further relevant information available.

### **Bioaccumulative potential**

No further relevant information available.

### **Other adverse effects**

No further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

### **General information**

Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration: Please consult your state Land Waste Management Authority for more information.

## 14. TRANSPORT INFORMATION

### **ADG label required**

### **HAZCHEM**

Not available.

UN Number	None.
Proper shipping name	Not regulated.
Transport hazard class	Void
Packing group	None.
Environmental hazard	No
Special precautions for users	No information available.
Additional information	No information available.

## 15. REGULATORY INFORMATION

### **Poisons Schedule Number**

Not Scheduled.

### **Other Information**

No further relevant information available.

## 16. OTHER INFORMATION

### **SDS preparation date**

5 October 2021

### **Comments**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information



published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.

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