

SAFETY DATA SHEET

Alcian Blue 8GX, certified, C.I. 74240

1. IDENTIFICATION

Product Identifiers

Product Name: Alcian Blue 8GX, certified, C.I. 74240
Other Names: Ingrain Blue I; Alcian Blue 8GX Certified.
Product No.(s): C063; C0631; C0635.
CAS No.: 33864-99-2

Recommended use of the chemical and restriction on use:
 Laboratory Stain.

Company Details:

ProSciTech Pty Ltd
 11 Carlton Street, Kirwan, Qld. 4817 Australia
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute Toxicity – Dermal Category 4
 Skin Corrosion/Irritation Sub-Category 1A
 Eye Irritation Category 2A
 Specific Target Organ Toxicity Category 3
 Skin Irritation Category 2

Label Elements:



Health Hazards; Corrosive;

Signal Word: Danger

Hazard Statement(s):

H312: Harmful in contact with skin
 H314: Causes severe skin burns and eye damage
 H315: Causes skin irritation
 H319: Causes serious eye irritation
 H335: May cause respiratory irritation

Precautionary Statement(s):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
 P264: Wash with soap and water thoroughly after handling.
 P271: Use only outdoors or in a well ventilated area.
 P280: Wear face protection. Specify type of equipment.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P303+P361+P353 IF ON SKIN (OR HAIR): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
 P310: Immediately call a POISON CENTRE or doctor/physician.
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local, state and federal regulations.

Primary route(s) of entry:

Inhalation, ingestion, skin and/or eye contact.

Human Health

Inhalation: May cause respiratory tract irritation. The toxicological properties of this material have not fully been investigated.

Ingestion: May cause digestive tract irritation. The toxicological properties of this material have not fully been investigated.

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Environment: Runoff from fire control or dilution water may cause pollution.

Other Hazards: On decomposition causes hydrogen chloride, carbon monoxide, oxides of nitrogen, oxides of sulphur, irritating and toxic fumes and gases, carbon dioxide.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Cas No.	Content	Classification
Alcian Blue 8GX, certified, C.I. 74240	33864-99-2	~100%	Acute Toxicity – Dermal Category 4 Skin Corrosion/Irritation Sub-Category 1A Eye Irritation Category 2A Specific Target Organ Toxicity Category 3 Skin Irritation Category 2

4. FIRST AID MEASURES

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of water/milk to drink. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Get medical attention.

Inhalation:

Remove victim from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Skin Contact:

In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Other Information:

Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

ALL FIRES:

In case of fire use water spray to cool fire exposed containers. Use water spray, dry chemical, carbon dioxide or appropriate foam to extinguish the fire.

HAZCHEM: None allocated.

Special protective equipment and precautions for fire fighters:

As in any fire, wear self-contained breathing apparatus in pressure demand, MSHA/NIOSH approves or equivalent, and full protective gear.

Other Information:

On decomposition causes hydrogen chloride, carbon monoxide, oxides of nitrogen, oxides of sulphur, irritating and toxic fumes and gases, carbon dioxide. Runoff from fire control or dilution water may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use proper protective equipment as per Section 8. Provide ventilation to the spill area.

Environmental precautions:

Runoff from fire control or dilution water may cause pollution.

Methods and materials for containment and clean up:

Vacuum or sweep up the material and place into a suitable disposal container. Clean up spills immediately. Avoid generating dusty conditions.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wash thoroughly after handling. Use with adequate ventilation. Minimise dust generation and accumulation. Avoid contact with eyes, skin and clothing – wear appropriate protective equipment as per Section 8. Keep container tightly closed when not in use. Avoid ingestion and inhalation.

Conditions for safe storage:

Store in a tightly sealed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards

Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Alcian Blue 8GX, certified, C.I. 74240: Copper (dust & mist) (as Cu) [Copper (fume)]	-	1	-	-

Engineering controls:

Maintain an adequate ventilation system to prevent accumulation of particles in the air. Maintain an eyebath and safety shower in close proximity to the working area.

Personal protective equipment:

Eye and face protection:

Wear appropriate eyeglasses or chemical safety goggles as per OSHA's 29CFR 1910.13 or European Standard EN166.

Skin protection:

Wear appropriate protective gloves to prevent skin contact.

Body Protection:

Wear appropriate protective clothing to prevent skin contact.

Respiratory protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN149. Always use a NIOSH or European Standard EN149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance:	Solid greenish black with a metallic sheen.
Odour:	No odour reported.
pH:	Not available.
Vapour pressure:	Negligible.
Vapour density:	Not available.
Boiling point:	Not available.
Melting point:	148°C.
Solubility:	Moderately soluble.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Formula:	$C_{56}H_{68}C_{14}CuN_{16}S_4$
Molecular Mass:	1298.88

10. STABILITY AND REACTIVITY

Reactivity:

Chemical stability:

Stable under normal conditions of use.

Possibility of hazardous reactions:

On decomposition causes hydrogen chloride, carbon monoxide, oxides of nitrogen, oxides of sulphur, irritating and toxic fumes and gases, carbon dioxide.

Conditions to avoid:

Contact with incompatible materials, excess heat and avoid dust generation.

Incompatible materials:

Strong oxidising agents.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute effects:

May cause irritation.

Eye contact:

May cause eye irritation.

Skin contact:

May cause skin irritation.

Ingestion

May cause digestive tract irritation. The toxicological properties of this material have not fully been investigated.

Inhalation

May cause respiratory tract irritation. The toxicological properties of this material have not fully been investigated.

Chronic effects

May cause burning.

Toxicity and irritation

Not available.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Not available.

Persistence and degradability:

Not available.

Bioaccumulative potential:

Not available.

Other adverse effects:

Runoff from fire control or dilution water may cause pollution.

13. DISPOSAL CONSIDERATIONS**General information:**

Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION**ADG label required:** Not Regulated.**HAZCHEM:** None allocated.

UN number:	Not Regulated.
Proper shipping name:	Not Regulated.
Transport hazard class:	Not Regulated.
Packing group:	Not Regulated.
Environmental hazard:	Runoff from fire control or dilution water may cause pollution.
Special precautions for users:	Not available.

15. REGULATORY INFORMATION**Poisons Schedule Number:** No data available to allocate a Poison Schedule Number.**16. OTHER INFORMATION****SDS preparation date:** 17 April 2013**Comments:**

List of Publications referenced when creating this SDS;

- Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997).
- IATA Dangerous Goods Regulations.
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)].
- Australia Standard for the Uniform Scheduling of Drugs and Poisons [SUSPD] (Australian Government Department of Health and Ageing).

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. 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. ... End of SDS ...