# SAFETY DATA SHEET

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|---|---|
| **Version:** | 1.2 |
| **Revision Date:** | 2024-07-08 |
| **Print Date:** | 2025-03-20 |

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

| | |
|---|---|
| **Product Number:** | A0001 |
| **Product name:** | Alcian Blue 8GX |
| **CAS Registry Nr:** | 33864-99-2 |

1.2 Relevant identified uses of the substance or mixture and uses advised against

Laboratory chemicals, Manufacture of substances.

1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| **Company:** | Chemodex AG |
| | CH - 9015 St. Gallen |
| | Switzerland |
| | Tel: +41 71 244 48 25 |
| | Fax: +41 71 244 48 26 |
| | Email: info@chemodex.com |
| | Website: www.chemodex.com |

1.4 Emergency telephone number

| | |
|---|---|
| **Tox Info Suisse:** | 145 or +41 44 251 51 51 |

## SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

3.1 Substances

| | |
|---|---|
| **Synonyms:** | Ingrain Blue 1\| Alcian Blue\| 75881-23-1\| Alcian Blue 8GS\| C.I. 74240 |
| **Mol. Formula:** | C56H68Cl4CuN16S4 |
| **Mol. Weight:** | 1298.87 g/mol |
| **CAS Registry No.:** | 33864-99-2 |

No components need to be disclosed according to the applicable regulations.

## SECTION 4: First aid measures

4.1 Description of first aid measures

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|---|
| **General advice** |
| Consult a physician. Show this safety data sheet to the doctor in attendance. |
| **If inhaled** |
| After inhalation: fresh air. |
| **In case of skin contact** |
| In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| **In case of eye contact** |
| After eye contact: rinse out with plenty of water. Remove contact lenses. |
| **If swallowed** |
| After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. |

4.2 Most important symptoms and effects, both acute and delayed

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|---|
| The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |

4.3 Indication of any immediate medical attention and special treatment needed

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|---|
| No data available |

## SECTION 5: Firefighting measures

5.1 Extinguishing media

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|---|
| Water Foam Carbon dioxide (CO2) Dry powder |

5.2 Special hazards arising from the substance or mixture

Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides
Hydrogen chloride gas
Copper oxides
Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage

**Storage conditions**

Tightly closed. Dry.
**Storage class**
Storage class (TRGS 510): 11: Combustible SolidsProtect from light and moisture. Store at +4°C.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

8.1 Control parameters

**Components with workplace control parameters**
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

**Personal protective equipment**
**Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
**Personal protective equipment**
**Eye/face protection**
Use equipment for eye protection tested and approved under appropriate
government standards such as NIOSH (US) or EN 166(EU). Safety glasses
**Respiratory protection**
required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following
standards: DIN EN 143, DIN 14387 and other accompanying standards relating to
the used respiratory protection system.
Recommended Filter type: Filter type P1
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
**Control of environmental exposure**
Do not let product enter drains.

## SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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|---|---|---|
| a) | **Appearance:** | Dark blue powder |
| b) | **Odour:** | No data available |
| c) | **Odour Threshold:** | No data available |
| d) | **pH:** | No data available |
| e) | **Melting point/freezing point:** | No data available |
| f) | **Boiling point** | No data available |
| g) | **Flash point:** | No data available |

| | | |
|---|---|---|
| h) | **Evaporation rate:** | No data available |
| i) | **Flammability (solid, gas):** | No data available |
| j) | **Upper/lower flammability or explosive limits:** | No data available |
| k) | **Vapour pressure:** | No data available |
| l) | **Vapour density:** | No data available |
| m) | **Relative density:** | No data available |
| n) | **Solubility:** | No data available |
| o) | **Partition coefficient (n-octanol/water):** | No data available |
| p) | **Auto-ignition temperature:** | No data available |
| q) | **Decomposition temperature:** | No data available |
| r) | **Viscosity:** | No data available |
| s) | **Explosive properties:** | No data available |
| t) | **Oxidizing properties:** | No data available |

9.2 Other information

No data available

## SECTION 10: Stability and reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

11.1 Information on toxicological effects

**Acute toxicity**
Oral: No data available
Inhalation: No data available
Dermal: No data available
**Skin corrosion/irritation**
No data available
**Serious eye damage/eye irritation**
No data available
**Respiratory or skin sensitization**
No data available
**Germ cell mutagenicity**
No data available
**Carcinogenicity**
No data available
**Reproductive toxicity**
No data available
**Specific target organ toxicity - single exposure**
No data available
**Specific target organ toxicity - repeated exposure**
No data available
**Aspiration hazard**
No data available

11.2 Additional Information
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent,

| |
|---|
| bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |

12.6 Other adverse effects

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|---|
| No data available |

## SECTION 13: Disposal considerations

13.1 Waste treatment methods

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|---|
| **Product** |
| Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. |
| **Contaminated packaging** |
| Dispose of as unused product. |

## SECTION 14: Transport information

14.1 - 14.5 UN number and proper shipping name, Transport hazard class(es), Transport hazard class(es), Environmental hazards

**ADR/RID**

| | | | | | |
|---|---|---|---|---|---|
| UN number: | - | Class: | | Packing group: | - |
| Proper shipping name: | | Not dangerous goods | | | |
| Environmental hazards | | no | | | |

**IMDG**

| | | | | | |
|---|---|---|---|---|---|
| UN number: | - | Class: | | Packing group: | - |
| Proper shipping name: | | Not dangerous goods | | | |
| Environmental hazards | | no | | | |

**IATA**

| | | | | | |
|---|---|---|---|---|---|
| UN number: | - | Class: | | Packing group: | - |
| Proper shipping name: | | Not dangerous goods | | | |
| Environmental hazards | | no | | | |

14.6 Special precautions for user

| |
|---|
| No data available |

14.7 Further information

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|---|
| No data available |

## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

**Further information**

The above information is believed to be correct but shall not be taken as being 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 regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemodex AG and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.chemodex.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.