



Health	2
Fire	1
Reactivity	0
Personal Protection	

Material Safety Data Sheet

Alcian Blue

1: Chemical Product and Company Identification

Product Name : Alcian Blue

Catalog Code : 21770003

CAS# : 12040-44-7

RTECS# : AY9550000

TSCA : TSCA 8(b) inventory: No products were found.

CI# : Not available.

Chemical Name : Alcian Blue

Chemical Formula : C₅₆H₆₈Cl₄CuN₁₆S₄

Synonym :
Ingrain Blue 1;

Contact Information :

bioWORLD

4150 Tuller Road Suite 228 Dublin, OH 43017, USA

Phone Number : 614-792-8680

Fax Number : 614-792-8685

Order Online : <http://www.bio-world.com/>

E-mail : save@bio-world.com

In Case of a chemical emergency:

Contact local hospital

For non-emergency assistance:

Call 1-800-860-9729

2: Composition and Information on Ingredients

Name	CAS#	% of weight
Alcian Blue	12040-44-7	100%

Toxicological Data :

Not available.

3: Hazards Identification

Potential Acute Health Effects : Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Vapours may cause drowsiness and dizziness.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Potentials Chronic Health Effects :

Carcinogenic Effects : Not available.

Mutagenic Effects : Not available.

Teratogenic Effects : Not available.

Developmental Toxicity : Not available.

4: First Aid Measures

Eye Contact : 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.

Skin Contact : In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician if irritation persists.

Serious Skin Contact : Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek

medical attention.

Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Serious Inhalation : If breathed in, move person into fresh air. If not breathing give artificial respiration. Get medical attention.

Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician.

Serious Ingestion : If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5: Fire and Explosion Data

Flammability of the Product : May be combustible at high temperature.

Auto-Ignition Temperature : Not available.

Flash Points : Not available.

Flammable Limits : Not available.

Product of Combustion : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulfur oxides (SO₂, SO₃...), halogenated compounds. Some metallic oxides.

Fire Hazards in Presence of Various Substances : Not available.

Explosion Hazards in Presence of Various Substances : Not available.

Fire Fighting Media and Instructions :

SMALL FIRE : Dry chemical powder.

LARGE FIRE : Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Special Remarks on Fire Hazards : Not available.

Special Remarks on Explosion Hazards : Not available.

6 : Accidental Release Measures

Small Spill : Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Large Spill : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7: Handling and Storage

Precautions : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8: Exposure Controls/Personal Protection

Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection : Respiratory : Government approved respirator.

Hand: Chemical resistant gloves.

Eye: Safety glasses.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Boots. Dust respirator. Gloves.

Exposure Limits : Not available.

9: Physical and Chemical Properties

Physical State and Appearance : Solid.

Odor : Not available.

Taste : Not available.

Molecular Weight : 1298.88 g/mol

Color : Dark

PH Value : Not available.

Boiling Point : Not available.

Melting Point : Not available.

Critical Temperature : Not available.

Specific Gravity : Not available.

Vapour Pressure : Not available.

Vapor Density : Not available.

Volatility : Not available.

Odor Threshold:Not available.

Water/Oil Dist. Coeff : Not available.

Ionicity(in Water) : Not available.

Dispersion Properties : Not available.

Solubility : Soluble in water

10: Stability and Reactivity Data

Stability : Stable under recommended conditions.

Instability Temperature : Not available.

Conditions of Instability : Not available.

Incompatibility with various substances : Not available.

Corrosivity : Non-corrosive in presence of glass.

Special Remarks on Reactivity : Not available.

Special Remarks on Corrosivity : Not available.

Polymerization : Will not occur.

11: Toxicological Information

Routes of Entry : Skin contact. Eye contact. Ingestion. Inhalation.

Toxicity to Animals : Not available.

Chronic Effects on Humans : Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Other Toxic Effects on Humans : Not available.

Special Remarks on Toxicity to Animals : Not available.

Special Remarks on Chronic Effects on Humans : Not available.

Special Remarks on other Toxic Effects on Humans : Not available.

12: Ecological Information

Ecotoxicity : Not available.

BOD5 and COD : Not available.

Product of Biodegradation : Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation : The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation : Not available.

13: Disposal Considerations

Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14: Transport Information

DOT Classification :

Not a DOT controlled material

IATA Classification :

Not an IATA controlled material

IMDG Classification :

Not a IMDG controlled material

Identification : Not available.

Special Provisions for Transport : Not available.

15: Other Regulatory Information

Federal and State Regulations : TSCA 8(b) inventory: No products were found.

Other Regulations : OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications : Not available.

WHMIS(Canada) : Not WHMIS controlled.

DSCL(EEC) : R36/38- Irritating to eyes and skin.

HMIS(U.S.A) :

Health Hazard : 2

Fire Hazard : 1

Reactivity : 0

Personal Protection : Not available.

National Fire Protection Association (U.S.A) :

Health : 2

Flammability : 1

Reactivity : 0

Specific hazard : Not available.

Protective Equipment : Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash

goggles.

16: Other Information

References : Not available.

Other Special Considerations :

Created : Not available. **Last Updated :** 04-04-2014 3:40:00 PM

Disclaimer

This product is offered by bio-WORLD for research, laboratory or further manufacturing use. Not for human use or consumption.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall bio-WORLD be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if bio-WORLD has been advised of the possibility of such damages.