

<b>Section 1. Chemical Product and Company Information</b>	
Common Name: Alcian Blue 8GX	Code: RW0405
Supplier: BBC Biochemical	MSDS#: RW0405
Synonym: Ingrain Blue	Validation Date: 3-3-09
Trade Name: Alcian Blue 8GX	Print Date: 3-3-09
Material Uses: Dye	Responsible Name: Dr. B
Manufacturer: BBC Biochemical PO Box 1320 409 Eleanor Lane Mount Vernon, WA 98273 1-800-635-4477	<b>In Case of Emergency: 1-800-424-9300 Chemtrec USA 1-202-483-7616 Chemtrec Intrl 1-800-635-4477</b>

<b>Section 2. Composition and Information on Ingredients</b>			
Name	CAS#	% by Weight	Exposure Limits
1) Alcian Blue 8GX	33864-99-2	100	1 mg/m3 TWA (as Cu except Copper fume) (listed under Copper compounds, n.o.s)

<b>Section 3. Hazards Identification</b>	
Physical State and Appearance	Dark Blue Powder.
Emergency Overview	Not available.
Routes of Entry	Eye contact, inhalation, ingestion, skin contact.
Potential Acute Health Effects	
Eyes	Irritation.
Skin	Irritation.
Inhalation	May cause dizziness, headache, nausea, and narcosis.
Ingestion	May cause blindness, nausea, damage to gastrointestinal tract, liver, kidneys, and cardiovascular system.
Potential Chronic Health Effects	
Medical Conditions Aggravated by Overexposure/Overexposure/Signs/Symptoms	Kidney, liver, heart, and GI conditions.

<b>Section 4. First Aid Measures</b>	
Eye Contact	Immediately flush thoroughly with water for at least 15 minutes.
Skin Contact	Wash area thoroughly with copious amounts of water. Remove contaminated clothing and clean before wearing again.
Inhalation	Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion	If conscious, drink water. See medical attention. Do not induce vomiting.
Notes to Physician	Not available.

<b>Section 5. Fire Fighting Measures</b>	
Flammability of the Product	Not available.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence Of Various Substances	Heat.
Explosion Hazards in	Vapor can travel distances to ignitions source and flash back.

<b>Presence of Various Substances</b>	
<b>Fire Fighting Media and Instructions</b>	Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors. Fire fighters should use self-contained breathing apparatus and protective clothing.
<b>Protective Clothing (Fire)</b>	
<b>Special Remarks on Fire Hazards</b>	
<b>Special Remarks on Explosion Hazards</b>	

<b>Section 6. Accidental Release Measures</b>	
<b>Small Spill and Leak</b>	Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.
<b>Large Spill and Leak</b>	Same as above.

<b>Section 7, Handling and Storage</b>	
<b>Handling</b>	Use adequate ventilation. Avoid repeated or prolonged skin contact or breathing of vapors. Do not breathe vapors. Do not get in eyes.
<b>Storage</b>	Store and use in areas away from heat, sparks, and open flame. Store in tightly closed containers in a cool, dry, well-ventilated, fire-resistant area. Store away from oxidizing agents.

<b>Section 8. Exposure Controls / Personal Protection</b>	
<b>Engineering Controls</b>	
<b>Personal Protection</b>	
<b>Eyes</b>	Safety glasses with approved side shields should be worn at all times. Eyewash and safety shower should be available.
<b>Body</b>	Protective clothing to minimize skin contact.
<b>Respiratory</b>	Use NIOSH or MSHA approved respirators in absence of proper environmental control. Approved fume hood or other approved ventilation.
<b>Hands</b>	Neoprene, Nitrile or equivalent gloves.
<b>Feet</b>	Data not available.
<b>Personal Protection in Case of a Large Spill</b>	Safety glasses with side shields, protective clothing, respirator if necessary, neoprene, nitrile or equivalent gloves.
<b>Product Name</b>	<b>Exposure Limits</b>
1)	
2)	
3)	
<b>Consult Local authorities before acceptable exposure limits.</b>	

<b>Section 9. Physical and Chemical Properties</b>		
<b>Physical State and Appearance</b>	Dark Blue Powder	<b>Odor:</b> Characteristic odor.
<b>Molecular Weight</b>	1298.88	<b>Taste:</b> Not available.
<b>Molecular Formula</b>	C56H68Cl4CuN16S4	<b>Color:</b> Dark blue.
<b>pH (1%/Water)</b>	Not applicable.	
<b>Boiling/Condensation Point</b>	Not available.	
<b>Melting/Freezing Point</b>	148 deg C	
<b>Critical Temperature</b>	Not applicable.	
<b>Specific Gravity</b>	Not applicable.	
<b>Vapor Pressure</b>	Not applicable.	
<b>Vapor Density</b>	Not applicable.	
<b>Volatility</b>	Not applicable.	
<b>Odor Threshold</b>	Not applicable.	
<b>Evaporation Rate</b>	Not applicable.	
<b>VOC</b>	Not available.	
<b>Viscosity</b>	Not available.	
<b>Ionicity (in water)</b>	Not available.	
<b>Dispersion Properties</b>	Not available.	
<b>Solubility</b>	Moderately soluble	
<b>Physical Chemical Comments</b>	Not available.	

<b>Section 10. Stability and Reactivity</b>
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Stability and Reactivity	Stable.
Conditions of Instability	Incompatible Materials, dust generations, excess heat.
Incompatibility with Various Substances	Oxidizers.
Hazardous Decomposition Products	Hydrogen chloride, carbon monoxide, oxides of nitrogen, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization	Has not been reported.

### Section 11. Toxicological Information

Toxicity to Animals	Not available.
Chronic Effects on Humans	
Other Toxic Effects on Humans	
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.

### Section 12. Ecological Information

Ecotoxicity	Not available.
BODS and COD	Not available.
Biodegradable/OEDC	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on The Products of Biodegradation	Not available.

### Section 13. Disposal Considerations

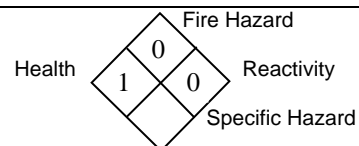
Waste Information	Disposal by Incineration or fuel blending. Contact your local licensed waste disposal company. Follow Federal, State, and local regulations.
Waste Stream	Not available.
Consult your local or regional authorities.	

### Section 14. Transport Information

DOT Classification	Not hazardous.
Marine Pollutant	Not available.
Hazardous Substances Reportable Quantity	Not available.
Special Provisions for Transport	Not applicable.
TDG Classification	Not controlled under TDG (Canada).
ADR/RID Classification	Not controlled under ADR (Europe).
IMO/IMDG Classification	Not controlled under IMDG.
ICAO/IATA Classification	Not controlled under IATA.

### Section 15. Other Information

Label requirements			
Hazardous Material Information System (U.S.A.)	Health	1	National Fire Protection Association (U.S.A.)
	Fire Hazard	0	
	Reactivity	0	
	Personal Protection		
References			
Other Special Considerations			



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