

Aniline Blue

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name Aniline Blue

Product Code 128

Manufacturer EMD Chemicals Inc.

P.O. Box 70
480 Democrat Road
Gibbstown, NJ 08027

Effective Date 3/3/2003

Prior to January 1, 2003 EMD Chemicals Inc. was
EM Industries, Inc. or EM Science, Division of
EM Industries, Inc.

For More Information Call

856-423-6300 Technical Service
Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call

800-424-9300 CHEMTREC
(USA)
613-996-6666 CANUTEC
(Canada)
24 Hours/Day: 7 Days/Week

Synonym ACID BLUE 22; CHINA BLUE

Material Uses Analytical reagent.

Chemical Family Dye.

Section 2. Composition and Information on Ingredients

Component

CAS # % by Weight

ANILINE BLUE

28631-66-5 100

Section 3. Hazards Identification

Physical State and Appearance Solid. (Powdered solid.)

Emergency Overview CAUTION!

MAY BE HARMFUL IF SWALLOWED.
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN
IRRITATION.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Eyes May be hazardous in case of eye contact (irritant).

Skin May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation May be hazardous in case of inhalation (lung irritant).

Ingestion May be hazardous in case of ingestion.

Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Aniline Blue

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

Flammability of the Product	Non-flammable.
Auto-ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No.
Fire Fighting Media and Instructions	Not applicable.
Protective Clothing (Fire)	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	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.
Spill Kit Information	No specific spill kit required for this product.

Section 7. Handling and Storage

Aniline Blue

Handling	Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing dust. Keep container closed.
Storage	Keep container in a cool, well-ventilated area.

Section 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

Eyes	Splash goggles.
Body	Lab coat.
Respiratory	Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Hands	Gloves.
Feet	Not applicable.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
---	--

Product Name	Exposure Limits
ANILINE BLUE	Not available.

Section 9. Physical and Chemical Properties

Odor	Not available.
Color	Blue. (Dark.)
Physical State and Appearance	Solid. (Powdered solid.)
Molecular Weight	737.74 g/mole
Molecular Formula	C ₃₂ H ₂₅ N ₃ Na ₂ O ₉ S ₃
pH	Not available.
Boiling/Condensation Point	Not available.
Melting/Freezing Point	Not available.
Specific Gravity	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.
LogKow	Not available.
Solubility	Soluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.

Aniline Blue

Incompatibility with Reactive with oxidizing agents.

Various Substances

Rem/Incompatibility Not available.

Hazardous Not available.

Decomposition

Products

Hazardous Will not occur.

Polymerization

Section 11. Toxicological Information

RTECS Number:

Aniline Blue, Certified Biological DB4958000

Stain

Toxicity LD50: Not available.

LC50: Not available.

Chronic Effects on Not available.

Humans

Acute Effects on May be hazardous in case of eye contact (irritant). May be hazardous in
Humans case of skin contact (irritant). Skin inflammation is characterized by
itching, scaling, reddening, or, occasionally, blistering. May be hazardous
in case of inhalation (lung irritant). May be hazardous in case of ingestion.

Synergetic Products Not available.

(Toxicologically)

Irritancy Draize Test: Not available.

Sensitization Not available.

Carcinogenic This material is not known to cause cancer in animals or humans.

Effects

Toxicity to Not available.

Reproductive

System

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Toxicity of the The products of degradation are less toxic than the product itself.

Products of

Biodegradation

Section 13. Disposal Considerations

EPA Waste Not available.

Number

Treatment Material does not have an EPA Waste Number and is not a listed waste,
however consultation with a permitted waste disposal site (TSD) should
be accomplished. ALWAYS CONTACT A PERMITTED WASTE
DISPOSAL (TSD) TO ASSURE COMPLIANCE WITH ALL
CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

Section 14. Transport Information

Aniline Blue

DOT Classification	Proper Shipping Name: RUN RQ: Not applicable.
TDG Classification	Not available.
IMO/IMDG Classification	Not available.
ICAO/IATA Classification	Proper Shipping Name: RUN RQ: Not applicable.

Section 15. Regulatory Information

U.S. Federal Regulations	TSCA 8(b) inventory: ANILINE BLUE SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found. SARA 313 toxic chemical notification and release reporting: No products were found. Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
WHMIS (Canada)	Not controlled under WHMIS (Canada). CEPA DSL: ANILINE BLUE This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.
International Regulations	
EINECS	ANILINE BLUE 249–113–9
DSCL (EEC)	R36/37/38– Irritating to eyes, respiratory system and skin.
International Lists	Australia (NICNAS): ANILINE BLUE Japan (MITI): ANILINE BLUE Korea (TCCL): ANILINE BLUE Philippines (RA6969): ANILINE BLUE China: No products were found.
State Regulations	No products were found. California prop. 65: No products were found.

Section 16. Other Information

National Fire

1 Fire

Aniline Blue

**Protection
Association
(U.S.A.)**

**20
Health**

**Hazard
Reactivity

Specific
Hazard**

**Changed Since Last
Revision** +

Notice to Reader

The statements contained herein are based upon technical data that EMD Chemicals Inc. believes to be reliable, are offered for information purposes only and as a guide to the appropriate precautionary and emergency handling of the material by a properly trained person having the necessary technical skills. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use, storage and disposal of these materials and the safety and health of employees and customers and the protection of the environment. EMD CHEMICALS INC. MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, WITH RESPECT TO THE INFORMATION HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.
