

# Safety Data Sheet

## Aniline Blue, Saturated

**CAROLINA**<sup>®</sup>  
www.carolina.com

### Section 1 Product Description

**Product Name:** Aniline Blue, Saturated  
**Recommended Use:** Science education applications  
**Synonyms:** N/A  
**Distributor:** Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  
**Chemical Information:** 800-227-1150 (8am-5pm (ET) M-F)  
**Chemtrec:** 800-424-9300 (Transportation Spill Response 24 hours)

### Section 2 Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

**WARNING**



Causes skin irritation. Causes serious eye irritation.

**GHS Classification:**

Skin Corrosion/Irritation Category 2, Serious Eye Damage/Eye Irritation Category 2A

### Section 3 Composition / Information on Ingredients

| <u>Chemical Name</u>      | <u>CAS #</u> | <u>%</u> |
|---------------------------|--------------|----------|
| Water                     | 7732-18-5    | 95       |
| Aniline Blue, Sodium Salt | 28631-66-5   | 5        |

### Section 4 First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:** In case of accident by inhalation: remove casualty to fresh air and keep at rest.  
**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
**Ingestion:** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

### Section 5 Firefighting Procedures

**Extinguishing Media:** Use media suitable to extinguish surrounding fire.  
**Fire Fighting Methods and Protection:** Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.  
**Fire and/or Explosion Hazards:** N/A  
**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

### Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released or Spilled:** Ventilate the contaminated area.

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Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

## Section 7

## Handling and Storage

**Handling:** Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.  
Harmful if swallowed.

**Storage:** Keep container tightly closed in a cool, well-ventilated place.  
Suitable for any general chemical storage.

**Storage Code:** Green - general chemical storage

## Section 8

## Protection Information

| <u>Chemical Name</u>      | <u>ACGIH</u> | <u>OSHA PEL</u> |       |        |
|---------------------------|--------------|-----------------|-------|--------|
|                           | (TWA)        | (STEL)          | (TWA) | (STEL) |
| Aniline Blue, Sodium Salt | N/A          | N/A             | N/A   | N/A    |

### Control Parameters

**Engineering Measures:** No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

**Personal Protective Equipment (PPE):** Lab coat, apron, eye wash, safety shower.

**Respiratory Protection:** No respiratory protection required under normal conditions of use.

**Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Eye Protection:** Wear chemical splash goggles when handling this product. Have an eye wash station available.

**Skin Protection:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Nitrile

## Section 9

## Physical Data

|                                                                                                                             |                                                      |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Formula:</b> C <sub>32</sub> H <sub>25</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>9</sub> S <sub>3</sub> (Aniline Blue) | <b>Vapor Pressure:</b> Approximately 17.5 mmHg 20 °C |
| <b>Molecular Weight:</b> N/A                                                                                                | <b>Evaporation Rate (BuAc=1):</b> Approximately 1    |
| <b>Appearance:</b> Colorless Powder                                                                                         | <b>Vapor Density (Air=1):</b> Approximately 0.7      |
| <b>Odor:</b> None                                                                                                           | <b>Specific Gravity:</b> N/A                         |
| <b>Odor Threshold:</b> No data available                                                                                    | <b>Solubility in Water:</b> Soluble                  |
| <b>pH:</b> No data available                                                                                                | <b>Log Pow (calculated):</b> No data available       |
| <b>Melting Point:</b> No data available                                                                                     | <b>Autoignition Temperature:</b> No data available   |
| <b>Boiling Point:</b> 100 C                                                                                                 | <b>Decomposition Temperature:</b> No data available  |
| <b>Flash Point:</b> No data available                                                                                       | <b>Viscosity:</b> No data available                  |
| <b>Flammable Limits in Air:</b> N/A                                                                                         | <b>Percent Volatile by Volume:</b> N/A               |

## Section 10

## Reactivity Data

**Reactivity:** No data available

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Exposure to light.

**Incompatible Materials:** Water-reactive materials, Strong oxidizing agents, Strong reducing agents

**Hazardous Polymerization:** Will not occur

## Section 11

## Toxicity Data

**Routes of Entry:** Inhalation, ingestion, eye or skin contact.

**Symptoms (Acute):** N/A

**Delayed Effects:** No data available

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## Acute Toxicity:

### Chemical Name

Water

### CAS Number

7732-18-5

### Oral LD50

Oral LD50 Rat  
90000 mg/kg

### Dermal LD50

### Inhalation LC50

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## Carcinogenicity:

### Chemical Name

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### CAS Number

28631-66-5

### IARC

Not listed

### NTP

Not listed

### OSHA

Not listed

## Chronic Effects:

### Mutagenicity:

No evidence of a mutagenic effect.

### Teratogenicity:

No evidence of a teratogenic effect (birth defect).

### Sensitization:

No evidence of a sensitization effect.

### Reproductive:

No evidence of negative reproductive effects.

### Target Organ Effects:

#### Acute:

See Section 2

#### Chronic:

Not listed as a carcinogen by IARC, NTP or OSHA., To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

## Section 12

## Ecological Data

### Overview:

This material is not expected to be harmful to the ecology.

### Mobility:

No data

### Persistence:

No data

### Bioaccumulation:

No data

### Degradability:

No data

### Other Adverse Effects:

No data

### Chemical Name

Water

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### CAS Number

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28631-66-5

### Eco Toxicity

No data available

Not available

## Section 13

## Disposal Information

### Disposal Methods:

Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

### Waste Disposal Code(s):

Not Determined

## Section 14

## Transport Information

### Ground - DOT Proper Shipping Name:

Not Regulated for Transport

### Air - IATA Proper Shipping Name:

Not regulated for air transport by IATA.

## Section 15

## Regulatory Information

### TSCA Status:

All components in this product are on the TSCA Inventory.

### Chemical Name

### CAS Number

### § 313 Name

### § 304 RQ

### CERCLA RQ

### § 302 TPQ

### CAA 112(2) TQ

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No

No

No

No

No

### California Prop 65:

No California Proposition 65 ingredients

## Section 16

## Additional Information

# Safety Data Sheet

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

## Glossary

|        |                                                                       |      |                                               |
|--------|-----------------------------------------------------------------------|------|-----------------------------------------------|
| ACGIH  | American Conference of Governmental Industrial Hygienists             | NTP  | National Toxicology Program                   |
| CAS    | Chemical Abstract Service Number                                      | OSHA | Occupational Safety and Health Administration |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act | PEL  | Permissible Exposure Limit                    |
| DOT    | U.S. Department of Transportation                                     | ppm  | Parts per million                             |
| IARC   | International Agency for Research on Cancer                           | RCRA | Resource Conservation and Recovery Act        |
| N/A    | Not Available                                                         | SARA | Superfund Amendments and Reauthorization Act  |
|        |                                                                       | TLV  | Threshold Limit Value                         |
|        |                                                                       | TSCA | Toxic Substances Control Act                  |
|        |                                                                       | IDLH | Immediately dangerous to life and health      |