

**Latest revision date:** October 14, 2024

**Revision:** 1.0

**SDS prepared by:** Amplyus

## SECTION 1 — IDENTIFICATION

**Product name:** Blue Dye

**Catalog or product number:** KT-1404-01

**Product use:** This product is for education and research use only

**Supplier:**

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

**Emergency Telephone Number:** 1-781-990-8727 during US East Coast business hours

## SECTION 2 — HAZARDS IDENTIFICATION

**GHS classification:** Not a dangerous substance or mixture according to the Global Harmonized System (GHS)

**Hazard statement(s):** Product contains no substances which at their given concentration, are considered to be hazardous to health.

**Precautionary statement(s):** N/A

**Hazards not otherwise classified:** May cause eye irritation. May cause gastrointestinal discomfort. May cause irritation to respiratory tract. May cause irritation to skin.

**Classification under Directive (EC) No. 1907/2006 (REACH):** Product contains no substances that need to be registered in accordance with Directive (EC) No. 1907/2006 [REACH]

## SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number
Water	99.97-99.98%	7732-18-5
Proprietary ingredients	0.02-0.03%	N/A

## SECTION 4 — FIRST AID MEASURES

**General information:** If seeking medical attention, provide SDS to physician.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Skin contact:** After contact with skin, wash immediately with plenty of soap and water.

**Inhalation:** In case of accidental inhalation, move to fresh air.

**Ingestion:** If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.

## SECTION 5 — FIRE-FIGHTING MEASURES

**Conditions of flammability:** Not flammable

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam.

**Special protective equipment for firefighters:** Firefighters should wear full protective equipment and NIOSH-approved self-contained breathing apparatus.

**Hazardous combustion products:** Carbon dioxide, carbon monoxide, hydrogen bromide, sodium oxides, sulfur oxides

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Prevent skin/eye contact. Wear personal protective equipment as needed.

**Environmental precautions:** No special measures required.

**Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** Use only in well-ventilated areas. Avoid contact with skin and eyes. Avoid contact with clothing. Do not breathe gas/fumes/vapor/spray.

**Conditions for safe storage:** Suitable for general chemical storage at room temperature. Keep container tightly closed in a well-ventilated place.

**Incompatible products:** N/A

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering controls:** 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. Good general room ventilation should be sufficient to control airborne contaminants to safe levels.

**Personal protective measures:** Lab coat, apron, eye wash, safety shower

**Personal protective equipment:**

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Form:** liquid

**Color:** Blue

**Odor:** None

**Odor threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** 0° C

**Boiling point:** 100° C

**Flash point:** No data available

**Evaporation rate:** <1

**Ignition temperature:** No data available

**Autoignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Vapor pressure:** 14 (water)

**Vapor density:** 0.7 (water)

**Relative density (water = 1):** No data available

**Water solubility:** No data available

**Partition coefficient (n-octanol/water):** No data available

**Viscosity:** No data available

## SECTION 10 — STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions

**Incompatible materials to avoid:** Water-reactive materials, strong acids, strong oxidizing agents

**Hazardous decomposition products:** Sulfur oxides, sodium oxides, hydrogen bromide, carbon dioxide, carbon monoxide

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Carcinogenicity:** No components of this product are listed by IARC, NTP, and OSHA.

## SECTION 12 — ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT assessment:** No data available

**vPvB assessment:** No data available

**Other adverse effects:** No data available

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Product:** Dispose of waste in accordance with applicable national, regional, or local regulations.

**Contaminated packaging:** Dispose of packaging in accordance with applicable national, regional, or local regulations.

## SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

## SECTION 15 — REGULATORY INFORMATION

**SARA 302/304 (40CFR355.30/40CFR355.40):** This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ.

**SARA 313:** Substance not listed

**SARA 311/312:** No SARA hazards

**California Proposition 65:** Substance not listed

**Massachusetts right to know:** Substance not listed

## SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products