

## Product name: Carbenicillin solution

**Latest revision date:** October 18, 2023

**Revision:** 1

**SDS prepared by:** Amplyus

### SECTION 1 — IDENTIFICATION

**Product name:** Carbenicillin

**Catalog or product number:** True Blue Transformation Lab KT-1802-01

**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:** Respiratory Sensitization (Category 1), Skin Sensitization (Category 1), Specific target organ toxicity (single exposure) - respiratory system (Category 3)



**Hazard statement(s):**

H317 May cause an allergic skin reaction

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

**Precautionary statement(s):**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves

P271 Use only outdoors or in a well-ventilated area Inhalation

IF INHALED:

P340: Remove person to fresh air and keep comfortable for breathing

IF ON SKIN:

P354: Immediately rinse with water for several minutes.

P333+P317: If skin irritation or rash occurs: Get medical help.

P363 Wash contaminated clothing before reuse

Storage

P403 Store in a well-ventilated place.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

Disposal

P501 Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified:** N/A

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Concentration	CAS Number
Carbenicillin	100mg/ml	4697-36-3
Water	~99%	7732-18-5

### SECTION 4 — FIRST AID MEASURES

**General information:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

**Eye contact:** In case Of contact, immediately flush eyes 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. Wash contaminated clothing before reuse.

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

**Ingestion:** If Swallowed, Wash Out Mouth With Water Provided Person Is Conscious. Call A Physician.

## SECTION 5 — FIRE-FIGHTING MEASURES

**Conditions of flammability:** FLASH POINT 104 °F 40 °C Method: closed cup

**Suitable extinguishing media:** Water spray. Carbon dioxide, Dry chemical powder or appropriate foam.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for fire-fighting if necessary

**Hazardous combustion products:** Emits toxic fumes under fire conditions

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:** Should not release into the environment

**Methods and materials for containment and cleaning up:** Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place. Store in freezer.

**Incompatible products:** Strong oxidizing agents

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering controls:** Not required. General room ventilation is adequate for use of this product

**Personal protective measures:** Wash hands thoroughly after handling. Do Not eat, drink or smoke when handling this product.

**Personal protective equipment:**

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

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Form:** solution

**Color:** colorless

**Odor:** No data available

**Odor threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** > 200 °C / > 392 °F

**Boiling point:** 738 °C / 1360 °F

**Flash point:** 104 °F/40 °C

**Evaporation rate:** No data available

**Ignition temperature:** No data available

**Autoignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**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:** Strong oxidizing agents, alkali metals, ammonia, Peroxides.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values:** 10g/kg (Rat)

**Respiratory or skin sensitization:** May cause irritation of respiratory tract or sensitization by skin contact.

**Germ cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Carcinogenicity:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

## 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. Do Not allow product to reach groundwater, water course, or sewage system

**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:** This product does not contain any Proposition 65 chemicals.

**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