# Safety data sheet

100x CellSAFE SHIFT Blue

| Product name | Catalog no. |
|---|---|
| 100x CellSAFE SHIFT Blue | CSSB50, CSSB100 |
| **Synonyms** | **SDS revision** |
| - | - |
| **CAS no.** | **Version** |
| - | - |

## 01 PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| Product identifier | 100x CellSAFE SHIFT Blue |
| Product codes | CSSB50, CSSB100 |
| CAS number | - |
| EC number | - |
| Recommended use | For research use only. Not intended for diagnostic or therapeutic use. |
| Supplier | EcoTech Biotechnology |
| Website | www.ecotechbiotech.com |
| Address | Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye |
| Telephone | 0090 544 327 34 97 |
| SDS contact | info@ecotechbiotech.com |
| Emergency telephone | 0090 544 327 34 97 |
| Available | Monday-Saturday/08:00-20:00/GMT+3 |
| Languages | Turkish/English |
| Outside these hours | Contact: info@ecotechbiotech.com |

## 02 HAZARDS IDENTIFICATION

| | |
|---|---|
| GHS classification | Skin irritation (Category 2)<br>Eye irritation (Category 2A)<br>Specific target organ toxicity - single exposure (Category 3), Respiratory system |
| Signal word | Warning |
| Symbols / pictograms |  |
| Hazard statements | H315 - Causes skin irritation<br>H319 - Causes serious eye irritation<br>H335 - May cause respiratory irritation |
| Precautionary statements | P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.<br>P264 - Wash skin thoroughly after handling.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P312 - Call a poison center or doctor if you feel unwell.<br>P321 - Specific treatment (see supplemental first aid instructions on this label).<br>P362 - Take off contaminated clothing and wash before reuse.<br>P501 - Dispose of contents/container to an approved waste disposal plant. |
| Other hazards | Hazards not otherwise classified (HNOC) or not covered by GHS. |

# Composition & response

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## 03 COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product name | 100x CellSAFE SHIFT Blue |
| Synonyms | - |
| Concentration | 100x |
| Formula | - |
| Molecular weight | - |
| Product form | This product is a mixture. |

| Chemical name | CAS no. | Weight % |
|---|---|---|
| Water | 7732-18-5 | Not disclosed |
| Sodium Benzoate | 532-32-1 | Not disclosed |

## 04 FIRST AID MEASURES

### 4.1 Description of first aid measures

| | |
|---|---|
| General advice | Immediately remove any clothing contaminated by the product. Move out of dangerous area. Consult a physician and show this safety data sheet. |
| Eye contact | Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid immediately. |
| Skin contact | Immediately flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain medical aid immediately. |
| Inhalation | Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical aid. |
| Ingestion | Do NOT induce vomiting without medical advice. Rinse mouth with water. Never administer anything by mouth to an unconscious person. Obtain medical aid immediately. |
| Self-protection of the first aider | Use personal protective equipment as required. |
| Most important symptoms / effects | No information available. |
| Immediate medical attention / treatment | Note to physicians: Treat symptomatically. |

## 05 FIREFIGHTING MEASURES

| | |
|---|---|
| Suitable extinguishing media | Water-based mixture (70-90% water). Use water spray, dry powder, carbon dioxide (CO2) or foam appropriate for the surrounding fire. |
| Unsuitable extinguishing media | No specific unsuitable extinguishing media identified. |
| Specific hazards arising from the chemical | In fire, sodium benzoate may release carbon monoxide (CO), carbon dioxide (CO2) and sodium oxides; irritating fumes may form. |
| Explosion data | Sensitivity to mechanical impact: No information available.<br>Sensitivity to static discharge: No information available. |
| Advice for firefighters | Firefighters should wear suitable protective gear and self-contained breathing apparatus. Cool exposed containers and contain firewater runoff. |

# Safe use & protection

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## 06 ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Wear protective equipment and keep unprotected personnel away. Ensure adequate ventilation. Remove all sources of ignition. Prevent further leak or spill if safe to do so. |
| Environmental precautions | Do not let product enter drains, other waterways, or soil. |
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Vacuum, sweep up, or absorb with inert material and place into a suitable disposal container. |
| Reference to other sections | For disposal see section 13. |

## 07 HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin, eyes, and personal clothing. Wash hands thoroughly after handling. Avoid breathing fumes. Use only with adequate ventilation. Wear suitable protective clothing, gloves, and eye/face protection. Keep away from sources of ignition. Minimize dust generation and accumulation. Keep container tightly closed. Open and handle container with care. Do not eat, drink, or smoke while handling. |
| Conditions for safe storage | Keep tightly closed. Store in a cool, dry, well-ventilated area away from incompatible substances. |
| Recommended storage temperature | 15-25 °C |

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters**

OSHA PEL: Not available. | NIOSH REL: Not available. | ACGIH TLV: Not available.

**8.2 Exposure controls**

| | |
|---|---|
| Engineering measures | Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate general and local exhaust ventilation to keep airborne concentrations low. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handing. |
| Eye / face protection | Based on an evaluation of the eye or face hazards present, wear chemical splash-resistant safety glasses or goggles with side protection. A face shield may be appropriate in some workplaces. Use eyewear tested and approved under appropriate government standards such as OSHA 29 CFR 1910.133 or EU EN166. |
| Hand protection | Wear gloves selected based on an evaluation of the possible hazards to hands and skin, the duration of use, the physical conditions of the workplace, and the chemical resistance and physical properties of the glove material. |

| | |
|---|---|
| Skin and body protection | Protective clothing must be selected based on the hazards present in the workplace, the physical environment, the duration of exposure, and other factors. No fabric can provide protection against all potential hazards; therefore, it is important to select the appropriate protective clothing for each specific hazard. At the minimum, wear a laboratory coat and close-toed footwear. |
| Respiratory protection | Respirators are not a substitute for accepted engineering control measures such as enclosure or confinement of the operation, general and local ventilation, and substitution of less toxic materials. When respiratory personal protective equipment is appropriate based on an assessment of respiratory hazards in the workplace, use a NIOSH- or CEN-certified respirator. |

# Material properties

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## 09 PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance | Liquid; blue-colored formulation. |
| Odor | No data available |
| Odor threshold | No data available |
| pH | No data available |
| Melting point / freezing point | No data available |
| Initial boiling point and boiling range | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper / lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Solubility(ies) | No data available |
| Partition coefficient: n-octanol / water | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | Not applicable |
| Chemical stability | Stable under recommended temperatures and pressures. |
| Possibility of hazardous reactions | None under normal processing |
| Conditions to avoid | Extremes of temperature and direct sunlight. |
| Incompatible materials | No data available. |
| Hazardous decomposition products | Under fire conditions, thermal decomposition of sodium benzoate may produce carbon oxides (CO and CO2) and sodium oxides (see Section 5). |

# Health & environment

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## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

| | |
|---|---|
| Acute toxicity | Not available. |
| Skin corrosion / irritation | Skin contact may result in inflammation characterized by itching, scaling, reddening, blistering, pain or dryness. |
| Serious eye damage / eye irritation | Eye contact may result in redness, pain or severe eye damage. |
| Carcinogenicity | None of the ingredients is listed. IARC: Not classified. NTP: Not listed. OSHA: Not listed. |
| Reproductive toxicity | No data available |
| STOT - SE | No data available |
| STOT - RE | No data available |
| Aspiration hazard | No data available |

### 11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: Causes serious eye irritation.

### 11.3 Additional information

Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

## 12 ECOLOGICAL INFORMATION

| | |
|---|---|
| Ecotoxicity | Shall not be classified as hazardous to the aquatic environment. |
| Persistence and degradability | Process: carbon dioxide generation \| Degradation rate: 88% \| Time: 28 d |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment is not required/was not conducted. |

## 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

| | |
|---|---|
| Product | Contact a licensed professional waste disposal service to dispose of this material. Dispose of in accordance with federal, state and local requirements. |
| Contaminated packaging | Dispose of as unused product. Do not reuse empty containers. |

# Transport & reference

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## 14 TRANSPORT INFORMATION

| Mode | UN no. | UN proper shipping name | Hazard class | Packing group | Environmental hazards |
|---|---|---|---|---|---|
| DOT (US) | - | Not regulated. | - | - | - |
| IMDG | - | Not regulated. | - | - | - |
| IATA | - | Not regulated. | - | - | - |

| | |
|---|---|
| Special precautions for user | - |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | - |

## 15 REGULATORY INFORMATION

| | |
|---|---|
| Safety, health and environmental regulations / legislation | This product is NOT on the EPA Toxic Substance Control Act (TSCA) inventory. The product is supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR § 720 et seq. The health risks have not been fully determined. Any information that is or becomes available will be supplied on the SDS. |

## 16 OTHER INFORMATION

**Key to abbreviations and acronyms**

| | |
|---|---|
| STOT-SE | Specific Target Organ Toxicity - Single Exposure |
| STOT-RE | Specific Target Organ Toxicity - Repeated Exposure |
| PBT | Persistent Bioaccumulative and Toxic |
| vPvB | very Persistent very Bioaccumulative and toxic |
| ADR | European Agreement concerning the international carriage of Dangerous goods by Road |
| CAS | Chemical Abstracts Service |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime code for Dangerous Goods |
| REACH | Registration, Evaluation, Authorization and restriction of Chemicals |
| RID | Regulations concerning the International transport of Dangerous goods by rail |