Safety data sheet

100x CellSAFE

Product name 100x CellSAFE	Catalog no. CS50, CS100
Synonyms -	Source SDS revision -
CAS no. -	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	100x CellSAFE
Product code	CS50, CS100
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 / fax	Telephone: 0090 544 327 34 97; Fax: 0090 442 282 20 06 -124
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

Classification	Skin irritation (Category 2); eye irritation (Category 2A); specific target organ toxicity - single exposure (Category 3), respiratory system.
Label elements	GHS label elements and precautionary statements are listed below.
Symbols / pictograms	
Signal word	Warning
Hazard statements	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
Precautionary statements - Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash skin thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response	P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instructions on the label). P362 - Take off contaminated clothing and wash before reuse.
Precautionary statements - Disposal	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
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	This product is a mixture.
Water	CAS 7732-18-5 | 60-80% by weight
Copper(II) sulfate pentahydrate	CAS 7758-99-8 | 30-35% by weight
Ethylenediaminetetraacetic acid disodium salt	CAS 6381-92-6 | <1% by weight

04 FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Immediately remove contaminated clothing; leave the dangerous area. Consult a physician and show this SDS.
Eye contact	Immediately flush open eyes with running water for at least 15 minutes. Obtain medical aid immediately.
Skin contact	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 give anything by mouth to an unconscious person. Obtain medical aid immediately.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	No information available.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, dry chemical, carbon dioxide (CO2), or chemical foam.
Unsuitable extinguishing media	None specified.
Special hazards arising from the substance or mixture	Copper oxides and sulfur oxides.
Explosion data	Sensitivity to mechanical impact: No information available. Sensitivity to static discharge: No information available.
Advice for firefighters	Wear pressure-demand self-contained breathing apparatus and full protective equipment. Thermal decomposition or combustion may generate irritating or highly toxic gases.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear protective equipment; keep unprotected personnel away. Ensure ventilation, remove all ignition sources and prevent further leakage or spillage if safe.
Environmental precautions	Do not allow the product to enter drains, waterways, or soil.
Methods and materials for containment and cleaning up	Prevent further spillage if safe. Vacuum, sweep, or absorb with an inert material and place in a suitable disposal container.
Reference to other sections	See Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, eyes and clothing; avoid breathing fumes. Use adequate ventilation and protective clothing, gloves and eye/face protection. Keep from ignition sources; minimize dust. Handle carefully with container closed. Do not eat, drink or smoke; wash hands after handling.
Conditions for safe storage	Keep tightly closed in a cool, dry, well-ventilated area away from incompatible substances.
Recommended storage temperature	22-25 °C.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure limits: 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. Provide an eyewash station and adequate general and local exhaust ventilation to keep airborne concentrations low.
Hygiene measures	Follow good industrial hygiene and safety practice. Do not eat, drink or smoke. Wash hands, forearms and face after handling.
Eye / face protection	Wear chemical splash-resistant safety goggles or safety glasses with side protection; face shield where appropriate. Use eyewear approved under OSHA 29 CFR 1910.133 or EU EN166.
Hand protection	Select gloves based on skin exposure hazards, duration, workplace conditions, chemical resistance and material properties.
Skin and body protection	Choose protective clothing appropriate to workplace hazards, exposure duration and environment. No fabric protects against all hazards. At minimum, wear a lab coat and closed-toe shoes.
Respiratory protection	Use engineering controls as primary protection. If respiratory PPE is required following workplace risk assessment, 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, light blue
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	Strong oxidizing agents.
Hazardous decomposition products	Copper oxides and sulfur oxides.

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 cause inflammation with itching, scaling, redness, 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 irritate respiratory tract.
Skin: May be harmful if absorbed through skin; may cause skin irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

Eye inflammation may cause redness, watering and itching; skin inflammation may cause itching, scaling, redness and occasionally blistering.

12 ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this product has not been fully investigated. Copper(II) sulfate pentahydrate (source-reported values): EC50 Daphnia magna: 182 g/L (48 h) LC50 Oncorhynchus mykiss: 32 g/L (96 h) EC50 Pseudokirchneriella subcapitata: 3.1 g/L (120 h)
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available because a chemical safety assessment was not required or conducted.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Contact a licensed professional waste disposal service. 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. Supplied solely for research and development by, or under supervision of, a technically qualified individual as defined in 40 CFR § 720 et seq. Health risks have not been fully determined; new information will be supplied on the SDS.
Environmental hazards	-
Chemical safety assessment	-

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