Safety data sheet

100x CellSAFE Water Bath

Product name	Catalog no.
100x CellSAFE Water Bath	CSB50, CSB100
Synonyms	**Source SDS revision**
-	-
CAS no.	**Version**
-	-

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	100x CellSAFE Water Bath
Product codes	CSB50, CSB100
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	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

GHS classification	Skin irritation (Category 2) Eye irritation (Category 2A) Specific target organ toxicity - single exposure (Category 3), Respiratory system
Signal word	Warning
Symbols / pictograms	
Hazard statements	H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements	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. P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instructions on this label). P362 - Take off contaminated clothing and wash before reuse. 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

100x CellSAFE Water Bath | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	100x CellSAFE Water Bath
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Product form	This product is a mixture.

Chemical name	CAS no.	Weight %
Water	7732-18-5	70-90
Sodium Benzoate	532-32-1	5-25

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. 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

100x CellSAFE Water Bath | SAFETY DATA SHEET / SECTIONS 06-08

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	22-25 °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

100x CellSAFE Water Bath | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid, dark yellow
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	s
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

100x CellSAFE Water Bath | SAFETY DATA SHEET / SECTIONS 11-13

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

100x CellSAFE Water Bath | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	al 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