Safety data sheet

SAFE DNA Gel Stain Solution

Product name SAFE DNA Gel Stain Solution	Catalog no. SDGS1, SDGS5
Synonyms -	Previous revision date 28 January 2025
CAS no. -	Document version / date v2 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	SAFE DNA Gel Stain Solution
Product code	SDGS1, SDGS5
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

Classification	GHS classification: Not applicable.
Label elements	No GHS hazard pictograms or signal word assigned.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements - Prevention	None
Precautionary statements - Response	None
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	SAFE DNA Gel Stain Solution
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	This product is a mixture. No components require disclosure under the applicable composition reporting criteria.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice if irritation occurs.
Skin contact	Wash with plenty of water. Remove contaminated clothing and wash before reuse.
Inhalation	Move to fresh air. Seek medical attention if discomfort occurs.
Ingestion	Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.
Self-protection of first aider	Use personal protective equipment and avoid direct contact.
Most important symptoms / effects	No specific delayed effects described.
Immediate medical attention / treatment	Seek medical attention if symptoms persist.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO2).
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Nature of decomposition products is unknown.
Explosion data	No information available.
Advice for firefighters	Wear self-contained breathing apparatus and appropriate protective clothing if needed.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Move non-essential personnel to a safe area. Provide ventilation and use personal protective equipment. Avoid breathing mist or vapour.
Environmental precautions	Prevent further leakage or spillage if it is safe to do so.
Methods and materials for containment and cleaning up	Collect with suitable absorbent material and keep in properly closed containers for disposal.
Reference to other sections	See Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid skin and eye contact. Use recommended personal protective equipment.
Conditions for safe storage	Keep cap tightly closed. Store at 4°C.
Container labeling	Keep in properly labelled containers.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, especially in confined areas.
Hygiene measures	Follow laboratory hygiene practices. Do not eat, drink or smoke while handling. Wash hands and face after use.
Eye / face protection	Use safety glasses with side shields conforming to EN 166.
Hand protection	Wear suitable chemical-resistant gloves. Inspect gloves before use.
Skin and body protection	Wear laboratory coat or protective clothing.
Respiratory protection	Use suitable respiratory protection if ventilation is insufficient.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid, dark orange
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	Stable under recommended storage conditions.
Chemical stability	Stable when stored under appropriate cool, dry conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	No data available.
Incompatible materials	Oxidizing agents.
Hazardous decomposition products	No data available.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Product acute toxicity estimate: Not available. Water: oral LD50 >90,000 mg/kg (rat).
Skin corrosion / irritation	No skin corrosion / irritation test data available.
Serious eye damage / eye irritation	Product causes serious eye damage.
Carcinogenicity	None of the identified ingredients is listed as carcinogenic.
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 and may irritate the respiratory tract.
Skin: May be harmful if absorbed through skin and may cause irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	The environmental impact of this product has not been fully investigated. Ecotoxicity data: No information available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No data available.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of through a licensed waste contractor in accordance with applicable local and national 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 a dangerous good under DOT (US) regulations.	-	-	No
IMDG	-	Not a dangerous good under IMDG regulations.	-	-	No
IATA	-	Not a dangerous good under IATA regulations.	-	-	No

Special precautions for user	No data available.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	REACH Regulation (EC) No. 1907/2006. SARA 302/313: No reportable constituents stated. Clean Water Act: No regulated constituents indicated. Rotterdam Convention, Stockholm Convention and Montreal Protocol: Not applicable.
Environmental hazards	No specific environmental regulation identified.
Chemical Safety Assessment	No chemical safety assessment reported.

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