Safety data sheet

EcoTRAX Transfection Reagent

Product name EcoTRAX Transfection Reagent	Catalog no. ETRA1, ETRA3
Synonyms -	SDS revision -
CAS no. -	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	EcoTRAX Transfection Reagent
Product code	ETRA1, ETRA3
CAS number	-
EC number	-
Recommended use	For research use only.
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	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazardous labeling required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	None
Other hazards	None known.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	EcoTRAX Transfection Reagent
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture	Polyethylenimine-based polymer: >5% (CAS: N/A). Nuclease-free water: <95% (CAS: 7732-18-5).
Disclosure statement	No components require disclosure under the applicable regulations.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Not expected to be an inhalation hazard during normal use. Consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard during normal use. Seek medical advice if unwell.
Skin contact	Rinse with plenty of water; immediate medical attention is not required.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Nature of decomposition products not known.
Advice for firefighters	Wear self-contained breathing apparatus if necessary.
Further information	No data available.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate personnel to safe areas. Ensure adequate ventilation. Wear personal protective equipment. Avoid dust, vapours, mist and gas.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Collect in suitable, closed containers for disposal.
Reference to other sections	See Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid dust, vapours, mist and gas. Wear suitable personal protective equipment; provide adequate ventilation.
Conditions for safe storage	Keep tightly closed. Protect from light. Recommended storage: -20°C.

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	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.
Eye / face protection	Wear safety glasses with side-shields conforming to European Standard EN166.
Hand protection	Use gloves conforming to EU Directive 89/686/EEC and EN374. Inspect gloves before use and remove without skin contact. Dispose of contaminated gloves safely.
Skin and body protection	Wear laboratory coat or impervious clothing. Choose protection appropriate for the amount and concentration at the workplace.
Respiratory protection	Wear suitable respiratory equipment in case of inadequate ventilation.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Red liquid
Odor	Odorless
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.
Chemical stability	Stable in a cool (-20°C), dark, dry place.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, sunlight and high temperature.
Incompatible materials	Strong oxidizing agents, strong acids and bases.
Hazardous decomposition products	On decomposition, toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides may form.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Carcinogenicity	No component at ≥0.1% is identified by IARC as a possible, probable or confirmed human carcinogen.
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; may cause skin irritation.
Eyes: Causes serious eye irritation.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data 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	Contact a licensed professional waste disposal service for disposal in accordance with 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
ADR/RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

15 REGULATORY INFORMATION

Regulatory information	Regulation (EC) No. 1907/2006 (REACH), as amended by Commission Regulation (EU) No. 453/2010.
Safety, health and environmental regulations / legislation	No information available.
Chemical Safety Assessment	No information available.

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