Safety data sheet

FlashDigest Restriction Enzymes

Product name FlashDigest Restriction Enzymes	Catalog no. FD0001, FD0002, FD0003, FD0004, FD0005, FD0006, FD0007, FD0008, FD0009, FD0010, FD0011, FD0012, FD0013
Synonyms EcoRI, BsaI, HindIII, XhoI, KpnI, XbaI, NheI, SacI, NcoI, BamHI, DpnI, EcoRV, NotI	Revision date -
CAS no. -	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	FlashDigest Restriction Enzymes
Product code	FD0001, FD0002, FD0003, FD0004, FD0005, FD0006, FD0007, FD0008, FD0009, FD0010, FD0011, FD0012, FD0013
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	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No GHS pictograms or signal word are required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None.
Precautionary statements - Prevention	None.
Precautionary statements - Response	None.
Other hazards	None known.

Composition & response

FlashDigest Restriction Enzymes | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	FlashDigest Restriction Enzymes
Synonyms	EcoRI, BsaI, HindIII, XhoI, KpnI, XbaI, NheI, SacI, NcoI, BamHI, DpnI, EcoRV, NotI
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	FlashDigest restriction enzyme mixture. No ingredients classified as hazardous at their stated concentrations.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Immediately flush with water for at least 15 minutes. Seek medical advice if irritation persists.
Skin contact	Rinse thoroughly with water. Remove contaminated clothing if needed.
Inhalation	Move to fresh air. Obtain medical advice if discomfort or symptoms occur.
Ingestion	Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical advice if symptoms persist.
Self-protection of first aider	Use personal protective equipment to prevent exposure.
Most important symptoms / effects	No additional information available.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available.
Special hazards arising from the substance or mixture	No information available.
Explosion data	No data available.
Advice for firefighters	Use self-contained breathing apparatus if necessary. Follow standard chemical firefighting procedures.

Safe use & protection

FlashDigest Restriction Enzymes | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation and wear suitable personal protective equipment; avoid breathing mist/aerosols.
Environmental precautions	Advise local authorities if significant spills cannot be contained.
Methods and materials for containment and cleaning up	Wipe up with suitable absorbent material and place in a closed disposal container.
Reference to other sections	See sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use appropriate protective equipment; do not eat, drink or smoke during use.
Conditions for safe storage	Keep tightly closed, protect from light and follow the product label or package insert.
Container labeling	Keep containers correctly labeled.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with established occupational exposure limits.

8.2 Exposure controls

Engineering measures	Provide adequate ventilation, especially in confined spaces.
Hygiene measures	Do not eat, drink or smoke during use. Wash hands after handling.
Eye / face protection	Wear safety glasses with side shields (EN 166).
Hand protection	Wear suitable protective gloves.
Skin and body protection	Wear a laboratory coat or suitable protective clothing.
Respiratory protection	Respiratory protection is not normally required under adequate ventilation.

Material properties

FlashDigest Restriction Enzymes | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	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	Not applicable.
Evaporation rate	No data available
Flammability (solid, gas)	Not flammable.
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	Not classified as oxidizing.

10 STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known under normal conditions of use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No hazardous reactions known under normal conditions of use.
Conditions to avoid	No data available.
Incompatible materials	No data available.
Hazardous decomposition products	No data available.

Health & environment

FlashDigest Restriction Enzymes | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified based on available information.
Skin corrosion / irritation	Not classified based on available information.
Serious eye damage / eye irritation	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT - SE	Not classified based on available information.
STOT - RE	Not classified based on available information.
Aspiration hazard	Not classified based on available information.

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through the skin.
Eyes: May be harmful on eye contact.

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	Not relevant.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of in accordance with applicable local regulations. Discharge to wastewater only where expressly permitted.
Contaminated packaging	Take empty containers to an approved waste handler for recycling or disposal. Do not reuse empty containers.

Transport & reference

FlashDigest Restriction Enzymes | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR / RID	-	Not regulated for transport.	-	-	No transport environmental hazard indicated.
IMDG	-	Not regulated for transport.	-	-	No transport environmental hazard indicated.
IATA	-	Not regulated for transport.	-	-	No transport environmental hazard indicated.

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

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Seveso II/III major-accident provisions: Not applicable.
Environmental hazards	WGK 1 (Germany): Slightly water endangering.
Chemical Safety Assessment	A Chemical Safety Assessment is not required for use in the stated applications.

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