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## Safety Data Sheet (SDS)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: FlashDigest (EcoRI, BsaI, HindIII, XhoI, KpnI, XbaI, NheI, SacI, NcoI, BamHI, DpnI, EcoRV, NotI)  
Product Code: FD0001, FD0002, FD0003, FD0004, FD0005, FD0006, FD0007, FD0008, FD0009, FD0010, FD0011, FD0012, FD0013  
CAS Number: -  
EC Number: -

#### 1.2 Details of the supplier of the safety data sheet

Company: EcoTech Biotechnology  
Address: Universite Mah. Cat Yolu Cad. Ata Teknokent Sitesi B Blok No: 74/113 Yakutiye Erzurum Turkiye  
Telephone: 0090 544 327 34 97  
Fax: 0090 442 282 20 06 -124  
Emergency phone number : 0090 544 327 34 97

#### 1.3 Product use

For research use only

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008.[EU-GHS/CLP]  
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

#### 2.2 Label elements

Labeling according Regulation (EC) No 1272/2008 [EC]  
Pictogram: None  
Signal word: None  
Hazard statement(s): No hazardous ingredients  
Precautionary statement(s): None

#### 2.3 Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Product Name

FlashDigest Restriction Enzyme (EcoRI, BsaI, HindIII, XhoI, KpnI, XbaI, NheI, SacI, NcoI, BamHI, DpnI, EcoRV, NotI)  
Synonyms: -  
Concentration: -  
Formula: -  
Molecular Weight: -  
This product is a mixture.

#### 3.2 Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

|                          |                                                                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled:              | Move to fresh air. If breathed in, move person into fresh air. Seek medical advice if discomfort occurs.                                            |
| If swallowed:            | Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Rinse mouth with water. |
| In case of skin contact: | If on skin, rinse well with water.                                                                                                                  |
| In case of eye contact:  | Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.                                   |

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

No information available.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

Standard procedure for chemical fires.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation.

Use personal protective equipment. Avoid formation of dust. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

### 6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and materials for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Protect from light.

See label, package insert or internal guidelines.

## SECTION 8. 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**

Contains no substances with occupational exposure limit values.

#### **Personal protective equipment**

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| <b>Eye/face protection:</b>      | Wear safety glasses with side-shields conforming to European Standard EN166. |
| <b>Hand protection:</b>          | Wear protective gloves.                                                      |
| <b>Skin and body protection:</b> | Wear laboratory coat or impervious clothing.                                 |
| <b>Respiratory protection:</b>   | No personal respiratory protective equipment normally required.              |

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

|                                                      |                                                          |
|------------------------------------------------------|----------------------------------------------------------|
| a) Appearance:                                       | Liquid                                                   |
| b) Odor:                                             | Odorless                                                 |
| c) Odor Threshold:                                   | No data available                                        |
| d) pH:                                               | No data available                                        |
| e) Melting point/freezing point:                     | No data available                                        |
| f) Initial boiling point and boiling range:          | No data available                                        |
| g) Flash point:                                      | Not flash                                                |
| h) Evaporation rate:                                 | No data available                                        |
| i) Flammability (solid, gas):                        | The product is not flammable                             |
| j) Upper / lower flammability or explosive limits:   | No data available                                        |
| k) Vapor pressure:                                   | No data available                                        |
| l) Vapor density:                                    | No data available                                        |
| m) Relative density:                                 | No data available                                        |
| n) Solubility(ies):                                  | No data available                                        |
| o) Partition coefficient: <i>n</i> -octanol / water: | No data available                                        |
| p) Auto-ignition temperature:                        | No data available                                        |
| q) Decomposition temperature:                        | No data available                                        |
| r) Viscosity:                                        | No data available                                        |
| s) Explosive properties:                             | No data available                                        |
| t) Oxidizing properties:                             | The substance or mixture is not classified as oxidizing. |

## **SECTION 10. STABILITY AND REACTIVITY**

### **Stability and reactivity**

|                                            |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| <b>Reactivity:</b>                         | No dangerous reaction known under conditions of normal use. |
| <b>Chemical stability:</b>                 | Stable under normal conditions.                             |
| <b>Possibility of hazardous reactions:</b> | No dangerous reaction known under conditions of normal use. |
| <b>Conditions to avoid:</b>                | No data available                                           |
| <b>Incompatible materials:</b>             | No data available                                           |
| <b>Hazardous decomposition products:</b>   | No data available                                           |

## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

There is no evidence available indicating acute toxicity

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| a) Acute toxicity:                    | Not classified based on available information. |
| b) Skin corrosion / irritation:       | Not classified based on available information. |
| c) Serious eye damage/eye irritation: | Not classified based on available information. |
| d) Carcinogenicity:                   | Not classified based on available information. |
| e) Reproductive toxicity:             | Not classified based on available information. |
| f) STOT - SE:                         | Not classified based on available information. |
| g) STOT - RE:                         | Not classified based on available information. |
| h) 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 skin.  
**Eyes:** May be harmful if in contact with eyes.

### 11.3 Additional Information

No additional information is available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Can be disposed as waste water, when in compliance with local regulations.

### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## Section 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

### 14.5 Environmental hazards

ADR/RID: No                      IMDG: No                      IATA: No

### 14.6 Special precautions for user

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances - Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances - Not applicable

Water contaminating class (Germany) - WGK 1 slightly water endangering

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

## SECTION 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