

**SAFETY DATA SHEET**  
According to Regulation (EC) No. 453/2010

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier:**

**Product Name:** Thermostable Adenylate Kinase (tAK) enzyme Indicator (EI)

**REACH No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses :** Laboratory chemicals, used to measure and validate sterilisation processes

**1.3 Details of the supplier of the safety data sheet**

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**SECTION 2: Composition and physical & chemical properties**

**Appearance:** Small white plastic strip (11×0.5mm) with 2.5µL of tAK enzyme on strip (mesh end). Strip is mounted onto a rigid plastic holder.

**Solid/Liquid/Gas:** Solid

**Aqueous pH:** n/a

**Additional Components:** Tween 20 (0.1%) and Mucin (0.1%)

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**SECTION 3: Hazards identification**

**3.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**3.2 Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**3.3 Other hazards** – none

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**SECTION 4: First aid measures**

- 4.1 Description of first aid measures**  
**In case of skin contact**  
Wash off with soap and plenty of water.  
**In case of eye contact**  
Flush eyes with water for at least for 15 minutes as a precaution.  
**If swallowed**  
Never give anything by mouth to an unconscious person. Rinse mouth with water.  
**If inhaled**  
n/a
- 4.2 Most important symptoms and effects, both acute and delayed**  
The most important known symptoms and effects are described in the labelling (see section 3.2)
- 4.3 Indication of any immediate medical attention and special treatment needed**  
No data available
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## **SECTION 5: Firefighting measures**

- 5.1 Extinguishing media**  
**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture**  
Carbon oxides
- 5.3 Advice for firefighters**  
Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further information**  
No data available
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## **SECTION 6: Accidental release measures**

- 6.1 Personal precautions**  
Wear latex or nitrile gloves when handling strips.
- 6.2 Environmental precautions**  
n/a
- 6.3 Spillage**  
n/a
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## **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling**  
Wear latex or nitrile gloves (reduce possibility of contamination of product)
- 7.2 Conditions for safe storage**  
Store in fridge (4°C). Keep package properly sealed.
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## **SECTION 8: Stability and Reactivity**

- 8.1 Stable**  
Yes if stored in fridge in properly sealed package
- 8.2 Conditions to avoid**

- Overheating samples, exposure to moisture
- 8.3 Materials to avoid**  
n/a
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## **SECTION 9: Exposure controls/personal protection**

- 9.1 Appropriate engineering controls**  
n/a
- 9.2 Personal protective equipment**
- Eye/face protection**  
Use safety glasses
- Skin protection**  
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands.
- Respiratory protection**  
n/a
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## **SECTION 10: Toxicological information**

- 10.1 Routes of exposure**  
Ingestion, possibly skin cuts
- 10.2 Information on toxicological effects**
- Acute toxicity**  
No data available
- Skin corrosion/irritation**  
No data available
- Serious eye damage/eye irritation**  
No data available
- Respiratory or skin sensitisation**  
n/a
- Specific target organ toxicity - single exposure**  
No data available
- Specific target organ toxicity - repeated exposure**  
No data available
- Aspiration hazard**  
n/a
- Additional Information**  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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## **SECTION 11: Ecological information**

- 11.1 Toxicity**  
No data available
- 11.2 Persistence and degradability**  
No data available
- 11.3 Bioaccumulative potential**  
No data available
- 11.4 Mobility in soil**

- No data available
- 11.5 Results of PBT and vPvB assessment**  
PBT/vPvB assessment not available as chemical safety assessment not required
- 11.6 Other adverse effects**  
No data available
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## SECTION 12: Disposal considerations

- 12.1 Waste treatment methods**
- Product**  
Dispose off vials containing EIs by incineration.
- Contaminated packaging**  
Dispose of as unused product.

Note: The UK Environmental Protection Act 1990 applies

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## SECTION 13: Transport information

- 13.1 UN number**  
ADR/RID: -                      IMDG: -                      IATA: -
- 13.2 UN proper shipping name**  
ADR/RID:                      Not dangerous goods  
IMDG:                      Not dangerous goods  
IATA:                      Not dangerous goods
- 13.3 Transport hazard class(es)**  
ADR/RID: -                      IMDG: -                      IATA: -
- 13.4 Packaging group**  
ADR/RID: -                      IMDG: -                      IATA: -
- 13.5 Environmental hazards**  
ADR/RID: no                      IMDG Marine pollutant: no                      IATA: no
- 13.6 Special precautions for user**  
No data available
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## SECTION 14: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

### 14.1 Regulatory control

This material is not covered by UK & international legislation and does not require the following:

Import Licence (DEFRA IAPO)  
Holding Licence (DEFRA SAPO)  
Permission to transfer (DEFRA)  
Permission to receive, transfer and hold (HSE)  
Export licence (DBERR)

All necessary licences required for the consignment of this material are in place and the recipient is able to safely handle the material.

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## **SECTION 15: Other information**

### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Protak Scientific Limited and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

### **Department issuing MSDS**

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