



# SAFETY DATA SHEET

## Peroxidase

### 1- Product name and supplier

-Product name: Peroxidase

-Chemical name: Donor:hydrogen-peroxidase oxidoreductase -  
EC 1.11.1.7

-Code: KPXD-110E

-Supplier: KATALİZMED İç ve Dış Ticaret San.LTD.ŞTI  
Çınar Mah. 5003/2 Sk. No:3-5  
İç Kapı No:510 Bornova /izmir  
Hasan Tahsin 5281355470

-REACH N°: 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.

-Identified uses: Diagnostic product

### 2- Hazard identification

#### -Classification of the substance or mixture

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

#### -Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

-Other hazards - none

### 3- Composition/information on ingredients

CAS-N°: 9003-99-0

EC-N°: 1.11.1.7

No components need to be disclosed according to the applicable regulations.

**Katalizmed İç ve Dış Ticaret San.LTD.ŞTI**  
**Çınar Mah. 5003/2 Sk. Gümüş Plaza Optimus No:3-5**  
**Bornova / İzmir / Turkey**

## SAFETY DATA SHEET

### 4- First aid measures

- Eyes contact** Wash off with running water for 15 minutes or longer immediately, consult a physician afterwards.
- Skin contact** Wash off with plenty of water. Consult a physician when inflammation on the skin occurs.
- Inhalation** Remove to fresh air. Consult a physician when unpleasantness occurs.
- Ingestion** Swill plentiful amount of water or milk for immediate vomiting, consult a physician.

### Most important symptoms and effects, both acute and delayed

The product might cause allergic reactions upon inhaling or skin contact because of the protein contained.

### 5- Fire-fighting measures

- Extinguishing media**  
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
- Special hazards arising from the substance or mixture**  
Nature of decomposition products not known.
- Advice for firefighters**  
Wear self-contained breathing apparatus for firefighting if necessary. Avoid working at leeward.
- Further information**  
no data available

### 6- Accidental release measures

- Personal precautions, protective equipment and emergency procedures**  
Wear protective gear to avoid eye/skin contact and inhalation. Do not work at leeward.
- Environmental precautions**  
High concentrated waster fluid should be directly discharged into rivers
- Methods and materials for containment and cleaning up**

## SAFETY DATA SHEET

Take up under vacuum using dust collecting filter, wash residual spill with copious amounts of water. Use cloth, paper or anything like soak up the solution leaking out of the container. (Wastewater should be treated with activated sludge or adsorbed with activated carbon etc.)

### 7- Handling and storage

- Handling** Wear protective gear to avoid eye/skin contact and inhalation. Do not drop the container to prevent the content popping out.
- Storage** Keep sealed container in freezer.  
Store under -20°C to avoid deactivating.  
Use the initial container of the product.

### 8- Exposure controls/personal protection

- Control parameters**  
Components with workplace control parameters

**-Exposure controls**  
**Appropriate engineering controls**  
General industrial hygiene practice. Set local ventilation equipment.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).  
Safety goggles.

##### Hand Protection

Protecting gloves (rubbers or plastic gloves etc.).

##### Skin protection and body Protection

Long sleeve working wear.

##### Respiratory protection

Protecting mask.

### 9- Physical and chemical properties

|            |                      |
|------------|----------------------|
| Appearance | Reddish-brown powder |
| Odour      | no odour             |

**Katalizmed İç ve Dış Ticaret San.LTD.ŞTİ**  
**Çınar Mah. 5003/2 Sk. Gümüş Plaza Optimus No:3-5**  
**Bornova / İzmir / Turkey**

## SAFETY DATA SHEET

|                              |                                     |
|------------------------------|-------------------------------------|
| pH                           | Approximate pH 6.2-7.2 at 10 mg/ml. |
| Melting point/freezing point | no data available                   |
| Flash point                  | no data available                   |
| Evaporation rate             | no data available                   |
| explosive limits             | no data available                   |
| Vapour pressure              | no data available                   |
| Vapour density               | no data available                   |
| Relative density             | no data available                   |
| Water solubility             | Easily soluble in water.            |
| Autoignition temperature     | no data available                   |
| Decomposition temperature    | no data available                   |
| Viscosity                    | no data available                   |

### 10- Stability and reactivity

#### -Reactivity

no data available

#### -Chemical stability

Stable at temperatures below -20°C. When left for long at room temperature, proteins might be degraded, which does not cause any hazardous reaction.

#### -Possibility of hazardous reactions

Not specified.

#### -Conditions to avoid

Prolonged storage at temperatures higher than room temperature and high humidity.

#### -Incompatible materials

Any materials which dissolve or destroy proteins such as strong acid or alkali.

#### -Hazardous decomposition products

Other decomposition products - no data available

### 11- Toxicological information

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

**Katalizmed İç ve Dış Ticaret San.LTD.ŞTİ**  
**Çınar Mah. 5003/2 Sk. Gümüş Plaza Optimus No:3-5**  
**Bornova / İzmir / Turkey**

## SAFETY DATA SHEET

no data available

### **Respiratory or skin sensitization**

However, there is no toxicological information, proteins contained this product may cause allergic reactions in certain sensitive individuals.

### **Germ cell mutagenicity**

no data available

### **Carcinogenicity**

no data available

### **Reproductive toxicity**

no data available

### **Specific target organ toxicity - single exposure**

no data available

### **Specific target organ toxicity - repeated exposure**

no data available

### **Aspiration hazard**

no data available

### **Additional Information**

RTECS: Not available

### **Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **12- Ecological information**

### **-Toxicity**

no data available

### **-Persistence and degradability**

Peroxidase decomposes and does not remain on the environment for long since it consists of protein.

### **-Bioaccumulative potential**

**Katalizmed İç ve Dış Ticaret San.LTD.ŞTİ**  
**Çınar Mah. 5003/2 Sk. Gümüş Plaza Optimus No:3-5**  
**Bornova / İzmir / Turkey**

## SAFETY DATA SHEET

no data available

**-Mobility in soil**

no data available

**-Results of PBT and vPvB assessment**

no data available

**Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

**-Other adverse effects**

no data available

### 13- Disposal considerations

**Waste treatment methods**

**Product**

Dispose of protein in accordance with all applicable local and national laws and regulations.

**Contaminated packaging**

Wash with copious amounts of water and waste conforming to local regulations depending on the type of the material.

### 14- Transport information

**RID/ADR**

Non-hazardous for road transport.

**IMDG**

Non-hazardous for sea transport.

**IATA**

Non-hazardous for air transport

### 15- Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



## SAFETY DATA SHEET

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

no data available

### **Other regulations**

Take note of Dir 94/33/EC on the protection of young people at work

### **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

### **16- Other information**

The information herein is based on the current extend of our knowledge and is believed to be correct but is provided without warranty of any kind. The recipient of our reagent is responsible for observing all applicable laws and regulations.