TOYOBO

Peroxidase First issue : Oct. 12. 2011 Revised: May. 31. 2022

SDS No.523F

Safety Data Sheet

1 Product and Company Identification

Product Name Peroxidase
Product Code PEO-302

Supplier

Name TOYOBO CO., LTD.

Address Osaka Umeda Twin Towers South,

1-13-1 Umeda Kita-ku, Osaka 530-0001, Japan

Department Biotechnology Overseas Sales and Marketing Department

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Recommended use and restrictions on use diagnostic product

2 Hazard Identification

because of the protein contained.

GHS classification Classification not possible

3 Composition/Information on Ingredients

Substance/Preparation Substance
Chemical Nature Peroxidase
CAS# 9003-99-0
amounts contained 100%(W/W)

Ingredients Contributing to the Hazard No information available.

4 First Aid Measures

Inhalation Remove to fresh air. Consult a physician when unpleasantness occurs.

Skin Contact Wash off with plenty of water. Consult a physician when inflammation on

the skin occurs.

Eye Contact Wash off with running water for 15 minutes or longer immediately, consult

a physician afterwards.

Ingestion Swill plenty amount of water or milk for immediate vomiting, consult a

physician.

5 Fire Fighting Measures

Extinguishing Media Water spray, dry chemical powder, or carbon dioxide etc.

Protection of Firefighters Avoid working at leeward.

6 Accidental Release Measures

Personal Precautions Wear protective gear to avoid eye/skin contact and inhalation. Do not work

at leeward.

Environmental Precautions High concentrated waste fluid should not be directly discharged into Methods for Cleaning up Use cloth, paper or anything similar to soak up the solution leaking

Use cloth, paper or anything similar to soak up the solution leaking out of the container. Take up under vacuum using dust collecting filter, wash residual spill with copious amounts of water. (Waste water should be

treated with activated sludge etc.)

7 Handling and Storage

Handling

Technical Measures Wear protective gear to avoid eye/skin contact and inhalation. Do not drop

the container to prevent the content popping out.

Precautions None specified.

Safe Handling Advice No special technical protective measures required.

Storage

Technical Measures Keep sealed container in freezer.

Incompatible Products
Storage Conditions

None specified.
Store under -20°C.

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Exposure Controls/Personal Protection

Engineering Measures

Personal Protective Equipment

Respiratory Protection

Hand Protection

Eye Protection Skin and Body Protection Set local ventilation equipment.

Protecting mask.

Protecting gloves (rubbers or plastic gloves etc.).

Safety goggles.

Long sleeve working wear.

9 Physical and Chemical Properties

Physical State

Colour/Odour

Decomposition Temperature

Flash Point

Density Solubility Powder

Reddish-brown/No odour

pH6.2 \sim 7.2 in the case of 10 mg/ml in water.

No information available. No information available. No information available. Easily soluble in water.

10 Stability and Reactivity

Stability

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

Possible hazard reactions at specific

condition

Conditions to avoid

Materials to avoid

Hazardous Decomposition Products

Not specified.

Prolonged storage under higher temperature than room temperature and high

humidity.

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

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

alkali

No information available.

No data available. No data available.

11 Toxicological Information

Acute Toxicity

Skin corrosion/irritation Serious eye damage/eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity Reproductive toxicity

Specific target organ toxicity

- single exposure

Specific target organ toxicity

repeated exposure Aspiration hazard

No data available. No data available.

No data available.

12 Ecological Information

Persistence/Degradability

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

13 Disposal Considerations

Waste from Residues

Contaminated packaging

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

Wash with copious amounts of water and waste conforming to local

regulations depending on the type of the material.

14 Transport Information

International Regulations

Specific Precautions

None specified (Not classified as hazardous material as per the UN recommendation).

Keep at temperatures below -20° C.

15 Regulatory Information

Regulations

None specified.

16 Other Information

Notice

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