

Safety Data Sheet



Date: 31.05.00

Date of printing: 16.02.01

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1. Name of substance/preparation and company

- 1.1 Commercial product: **Peroxidase (POD) from horse-radish, grade 1**
Cat.-No.: 108090
- 1.2 Company: Roche Diagnostics GmbH
Sandhoferstr. 116
D-68305 Mannheim
Tel. ++49-621-7590
Information obtainable from: ++49-621-759-2763 or ++49-621-759-4848
- 1.3 In Emergencies: Central Works Security Roche Diagnostics GmbH ++49-621-759-2211
Centre for Detoxification: Mainz ++49-6131-232466-232467
München ++49-89-19240

2. Composition/Information on constituents

- CAS-No.: 0009003-99-0
Molecular formula:
Molecular weight: 44000
Notes: Is to be classified according to EEC directive 67/548 and 88/379 as hazardous.
Classification: Harmful

3. Hazards identification

- Warnings: 42/43 May cause sensitization by inhalation and skin contact
Notes: Substance slightly hazardous to water and ground water

4. First aid measures

- First aid: Eye contact: Wash eyes with water for at least 15 minutes.
Skin contact: Wash off with water.
Ingestion: Seek medical advice.
Inhalation: Remove victim to fresh air, if malaise develops go to a physician.
- Instructions for physician: Symptomatic treatment by a physician.

5. Fire-fighting measures

- Extinguishing media: No restriction
Thermal decomposition: Dangerous decomposition is not anticipated.

6. Accidental release measures

- After spillage: Sweep up spilled substance in dry condition, avoiding dust formation.
Absorbent material: Not necessary.
Damage limitation: Special measures to limit damage are not necessary.

7. Handling and storage

- 7.1 Handling: Combustible substance.
Avoid formation of dust; dust extraction by suction is required for procedures associated with dust formation.
- 7.2 Storage: Store dry at - 20 C.
Do not store with: No restriction

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8. Exposure controls/personal protection

TLV: undefined
Respiratory protection: Filter against harmful dust in case of contact with the substance
Eye protection: prot.glasses
Hand protection: protective gloves
Hygiene: Wash hands before breaks and at the end of the work.

9. Physical and chemical properties

Physical state: solid
Colour: redish brown
Odour: odourless
pH: no data available
Boiling point: no data available
Melting point: no data available
Flash point: cannot be determined
Substance does not have any oxidizing properties
Ignition temperature: no data available
Explosion limits: no data available
Vapour pressure: cannot be determined
Density: no data available
Solubility in water: very soluble
in: (G/L)
Viscosity: cannot be determined

10. Stability and reactivity

Hazardous
Reactions: None known when used appropriately.
Hazardous decomposition
products: None

11. Toxicological information

LD50 oral not known
LD50 not known
LD50 skin not known
LD50 inhal not known

Toxicologic information: Substance may cause allergies

12. Ecological information

Hazards: Substance slightly hazardous to water and ground water

13. Disposal considerations

Waste disposal route: Can be sent to an incineration plant in accordance with local regulations.

Disposal of emptied packs: Dispose of empty packs via local recycling or waste disposal routes - if necessary, clean them beforehand.

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14. Transport information

RID/ADR:

ICAO/IATA:

IMDG-Code:

UN-No.:

MFAG:

EMS:

Proper Shipping Name:

Notes: Is not subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

15. Regulatory

Notes: This product must be labeled in accordance with EEC directive 67/548 and 88/379.

Hazard symbol: Xn

Warnings: see section 3.

Precautions: 22 Do not breathe dust
24 Avoid contact with skin

16. Other information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed. Special permission has been granted in accordance with EU Directive 88/379, Article 9, which permit small packages of up to 125 ml or g containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.