

Protein Detective - Ultrafast Coomassie Protein Stain - Art. N° BZL-PD1

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product Name: Protein Detective

Catalog Number: BZL-PD1 / BZL-PD1-S

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

Identified uses: Laboratory Reagent, for in vitro research use only.

Uses advised against: Not for diagnostic or therapeutic use. This is not a medical device.

1.3 Details of the supplier of the safety data sheet

Supplier: BIOZOL Diagnostica Vertrieb GmbH

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E-mail info@biozol.de

1.4 Emergency telephone number

Emergency telephone: Giftnotruf München +49 (89) 192 40

2 Hazards Identification

2.1 Classification of the substance or mixture

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

2.2 Label elements

Signal word: None required

Pictograms: No symbol required

Target organs: None known

GHS Classification: None required

GHS Label information:

Hazard statement: None required

Precautionary statement: None required

2.3 Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) -

Physical hazards not otherwise classified (PHNOC) -

Supplemental information:

Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Seek medical attention after any unsafe handling or injury occurred.

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3 Composition / information on ingredients

3.1 Substances

See section 3.2

3.2 Mixture

Chemical Name	CAS #	%	EINECS
Water	7732-18-5	80.34%	231-791-2
Proprietary component*	Not available	17.91%	Not available
Ethyl alcohol, denatured	64-17-5	1.60%	200-578-6
Sodium benzoate	532-32-1	0.08%	208-534-8
Coomassie brilliant blue	6104-58-1	<0.01%	228-058-4

*The proprietary component does not contain hazardous ingredients in any amount that requires labeling.

4 First aid measures

4.1 Description of first aid measures

INGESTION: MAY BE HARMFUL IF SWALLOWED.

Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION.

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION.

Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION.

Remove contaminated clothing. Flush thoroughly with mild soap and water.

If irritation occurs, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

5 Fire fighting measures

5.1 Suitable Extinguishing Media

Use any media suitable for extinguishing supporting fire.

5.2 Specific Hazards: In fire conditions, water may evaporate from this solution which may cause hazardous decomposition products to be formed as dust or fume.

5.3 Protective Actions for Fire-fighters:

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

5.4 Further information

No data available.

6 Accidental release measures

6.1 Personal Precautions

Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

6.2 Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

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7 Handling and storage

7.1 Precautions for Safe Handling

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist.

Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

7.2 Conditions for Safe Storage

Store in a cool, well-ventilated area away from incompatible substances.

8 Exposure controls / personal protection

8.1 Exposure Limits

Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Protein Detective	None Established	None Established	None established

8.2 Engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

8.3 Respiratory protection

None should be needed in normal laboratory handling at room temperatures.

If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid. Clear blue

Odor: No odor.

Odor threshold: Data not available.

pH: Data not available.

Melting / Freezing point:

Approximately 0°C (32°F) (water)

Boiling point:

Approximately 100°C (212°F) (water)

Flash point: Data not available

Evaporation rate (Water = 1): <1

Flammability (solid/gas):

Data not available.

Explosion limits: Lower / Upper:

Data not available

Vapor pressure (mm Hg): 14 (water)

Vapor density (Air = 1): 0.7 (water)

Relative density (Specific gravity):

Approximately 1.0 (water)

Solubility(ies): Complete in water.

Partition coefficient: Data not available

Auto-ignition temperature:

Data not available

Decomposition temperature:

Data not available.

Viscosity: Data not available.

Molecular formula: Mixture

Molecular weight: Mixture

10 Stability and reactivity

10.1 Reactivity

No hazardous reaction will occur under normal conditions.

10.2 Chemical stability

Stable.

10.3 Hazardous polymerization

Will not occur.

10.4 Conditions to avoid

Excessive temperatures which cause evaporation.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Carbon oxides.

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11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Data not available

Skin corrosion/irritation: Data not available

Serious eye damage/irritation: Data not available

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Data not available

STOT-single exposure: Data not available

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects: Inhalation: May be harmful by inhalation, Ingestion: May be harmful if swallowed,

Skin: Contact may cause irritation, Eyes: Contact may cause irritation.

Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: Data not available

12 Ecological information

12.1 Toxicity

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: 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 PBT and vPvB assessment

No data available

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13 Disposal considerations

13.1 Waste treatment methods

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

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14 Transport information

UN/NA number: Not applicable **Shipping name:** Not Regulated
Hazard class: Not applicable **Packing group:** Not applicable **Reportable Quantity:** No **Marine pollutant:** No
Exceptions: Not applicable **2020 ERG Guide #:** Not applicable

15 Regulatory information

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

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

15.2 Chemical safety assessment

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
All components listed with the following agencies	Listed	Not listed	Not listed	Listed	Not listed	

16 Other information

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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

Required data according to regulation (EC) No. 1907/2006 (REACH) with its amendment regulation (EU) 2015/830.

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Abbreviations

NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

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