# Safety Data Sheet

## SECTION 1: Product And Company Identification

### Product Identifiers

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|---|---|
| **Product Name:** | Vitamin B-12 ELISA Kit |
| **Catalog Number:** | DEIA-H002 |
| **Relevant Identified Uses:** **( Disclaimer)** | For research and laboratory use only. Not for diagnostic, therapeutic, drug, household or other uses. |
| **Ingredients Information:** | This product contains antibody of animal origin (as specified on the product datasheet), mostly in buffered solution.<br>Bovine serum albumin (BSA) is added to some antibodies, and a chemical preservative is also usually added.<br>See individual product datasheet for information and refer to guidance below. |

### Company Identifiers

| | |
|---|---|
| **Company:** | 45-1 Ramsey Road Shirley, NY 11967, USA |
| **Tel:** | 1-631-624-4882 |
| **Fax:** | 1-631-938-8221 |
| **E-mail:** | info@creative-diagnostics.com |
| **Internet:** | www.creative-diagnostics.com |

## SECTION 2: Hazards Identification

### Classification of the substance or mixture:

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

| | |
|---|---|
| **Physical hazards** | Not Hazardous |
| **Health hazards** | Not Hazardous |
| **Environmental Hazards** | Not Hazardous |

**Additional information** Not Applicable

**Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictograms** None

**Signal word** None

**Hazard Statements** Not Applicable

**EU Specific Hazard Statements** Not Applicable

**Precautionary**

**Statements Prevention** Not Applicable

**Response** Not Applicable

**Storage** Not Applicable

**Disposal** Not Applicable

**Other hazards** This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/Information On Ingredients

**Substance:** This substance is a mixture.

**Mixture**

| Component | CAS No. | EC No. | Classification | Conc. |
|---|---|---|---|---|
| ProClin™ 300* | 55965-84-9 | 613-167-00-5 | H317 | < 0.06% |
| Sulfuric Acid | 7664-93-9 | 231-639-5 | H314 | <5% |
| Tetramethylbenzidine | 54827-17-7 | 616-001-00-x | Not hazardous at this concentration. | <0.05% |
| Tris Hydrochloride | 1185-53-1 | 214-684-5 | Not hazardous at this concentration. | 6-8% |
| Bovine Serum Albumine | 9048-46-8 | 232-936-2 | Not hazardous at this concentration. | <1.0% |
| Sodium Chloride | 7647-14-5 | 231-598-3 | Not hazardous at this concentration. | <1.0% |

## SECTION 4: First Aid Measures

**General advice:** Consult a doctor and show this safety data sheet.

**Eye contact:** Flush eyes with plenty of water for at least 10 minutes, occasionally lifting the upper and lower eyelids.
Get medical attention if symptoms occur.

| | |
|---|---|
| **Skin contact:** | Immediately wash skin with copious amounts of soap and water for at least 15 minutes.<br>Remove contaminated clothing and wash before reuse.<br>Get medical attention if discomfort persists. |
| **If inhaled:** | Remove to fresh air and monitor breathing.<br>Give oxygen if breathing becomes difficult, give artificial respiration if breathing stops.<br>Get medical attention if symptoms appear. |
| **If ingested:** | Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel.<br>Never give anything by mouth to an unconscious person.<br>Get medical attention if symptoms appear. |
| **Notes to physician:** | No specific antidote. Medical staff must contact Poison Control Center.<br>To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. |

## SECTION 5: Fire-Fighting Measures

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|---|---|
| **Extinguishing media:** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Special exposure hazards:** | Nature of decomposition products not known. |
| **Precautions for fire-fighters:** | ire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| **PFurther information:** | No data available. |

## SECTION 6: Accidental Release Measures

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|---|---|
| **Personal precautions:** | Immediately contact emergency personnel. Use suitable protective equipment. Evacuate personnel to safe areas.<br>Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.<br>Dispose cloth in accordance with local disposal guidelines. |
| **Environmental precautions:** | Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. |
| **Cleaning up:** | Avoid creating dusty conditions and prevent wind dispersal. |

## SECTION 7: Handling And Storage

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|---|---|
| **Handling:** | Do not ingest. Wash thoroughly after handling. |
| **Storage:** | As directed on individual product datasheet. |

## SECTION 8: Exposure Controls/ Personal Protection

**Engineering Controls:** Use in a fume hood where applicable. Ensure laboratory is equipped with a safety shower and eye wash station.

**Personal Protective:** Safety glasses; Face shield; Lab coat; Rubber or plastic gloves; Respirator if needed.

## SECTION 9: Physical And Chemical Properties

**Physical state:** Liquid or lyophilized powder.

**Odor:** Little to none.

**Solubility in water:** Miscible in all proportions.

**Additional information:** No data available.

## SECTION 10: Stability And Reactivity

**Chemical stability:** Stable under recommended transport or storage conditions.

**Reactivity:** Stable under normal handling conditions.

**Hazardous reactions:** Will not occur under normal transport or storage conditions.

## SECTION 11: Toxicological Information

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Ingestion:** There may be irritation of the throat.

**Skin:** There may be mild irritation at the site of contact.

**Eyes:** There may be irritation and redness.

**Additional information:**

**Thiomersa:** Toxic. Irritant to eyes and skin.
Avoid ingestion or contact with skin and eyes.

**Bronidox:** Avoid direct contaction of the concentrated chemical with the skin and mucous membrane.

## SECTION 12: Ecological Information

**Toxicity:** Sodium azide and Proclin 300 contained are toxic to fish and wildlife. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

## SECTION 13: Disposal Considerations

**Waste product:** Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

**Contaminated Packaging :** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

## SECTION 14: Transport Information

**IATA / ADR /DOT-US / IMDG**
Not regulated in the meaning of transport regulations.

| | |
|---|---|
| **UN number** | Not Applicable |
| **UN proper shipping name** | Not Applicable |
| **Transport hazard class(es)** | Not Applicable |
| **Packing group** | Not Applicable |
| **Environmental hazards** | Not Applicable |
| **Special precautions for user** | Not Applicable |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not Applicable.

## SECTION 15: Regulatory Information

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

**Substances of Very High Concern**
None.

**Substances listed under Annex I of Regulation (EC) No 689/2008**
None.

**Restricted substances under Annex V of Regulation (EC) No 689/2008**
None.

**Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC**
None.

**German Water hazard classes (Wassergefährdungsklassen)**
Not classified.

**Other International Inventories**
No information available

### Chemical Safety Assessment

No Chemical safety assessment has been carried out.

## SECTION 16: Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s).

### Notice to reader

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

CD provides this information in good faith and is based on best of our present knowledge. This SDS is provided without warranty of any kind. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

**End of Safety Data Sheet**