Safety Data Sheet

SECTION 1: Product And Company Identification

Product Identifiers

Product Name: Human Toll-like receptor 4 ELISA Kit

Catalog Number: DEIA4321

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.
Bovine serum albumin (BSA) is added to some antibodies, and a chemical preservative is also usually added.
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. Remove contaminated clothing and wash before reuse. Get medical attention if discomfort persists.
If inhaled:	Remove to fresh air and monitor breathing. Give oxygen if breathing becomes difficult, give artificial respiration if breathing stops. 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. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Notes to physician:	No specific antidote. Medical staff must contact Poison Control Center. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 5: Fire-Fighting Measures

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

Personal precautions:	Immediately contact emergency personnel. Use suitable protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. 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

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