

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

1.1 Product Identifier

ELISA Kit Assay (Product code containing #FI symbols)

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommend use	For research use only
Uses advised against	No information available

1.3 Supplier Identification

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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC: Irritating to eyes and skin

GHS/CLP- GHS - Classification

Skin Irritation	Class 2
Eye Irritation	Class 2

2.2 Label Elements

Not dangerous

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/ protective clothing

2.3 Other Hazards

Not applicable

Section 3: Composition/information on ingredients

Product Name: Enzyme Linked Immunosorbent Assay Reagent ELISA Reagent

Ingredient	Concentration	CAS No.	EC No.	Classification (Reg. 1272/2008)	REACH Registration Number
water	93.04%	7732-18-5	231-791-2		
bovine serum albumin	1%	9048-46-8	2332-936-2		
sodium chloride	0.80%	7647-14-5	231-598-3		
disodium hydrogenorthophosphate	0.12%	7558-79-4	231-448-7		
potassium chloride	0.02%	7447-40-7	231-211-8		
potassium dihydrogen orthophosphate	0.02%	7778-77-0	231-913-4		
Sulfuric Acid	5%	7664-93-9	231-639-5	H314: Causes severe skin burns and eye damage.	

Section 4: First aid measures

4.1 Description of first aid measures

General advice	If symptoms persist, call a physician.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. If symptoms persist, call a physician.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water. Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms see section 2.2.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

Section 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards

None in particular.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental release measurements

6.1 Personal precautions

Use personal protective equipment.
Avoid contact with the skin and the eyes.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods for containment

Prevent further leakage or spillage if safe to do so

6.4 Methods for cleaning up

Soak up with inert absorbent material.
Pick up and transfer to properly labeled containers.
After cleaning, flush away traces with water.
Prevent product from entering drains.

Section 7: Handling and storage

7.1 Advice on safe handling

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

7.2 Storage conditions

Keep out of the reach of children.
Keep container tightly closed.
Keep containers tightly closed in a cool, well-ventilated place.
Keep in properly labeled containers.

7.3 Specific end use

Specific use(s) No information available.

Exposure scenario No information available.

Section 8: Exposure controls/personal protection

8.1 Personal Protection

Eye/face protection	Tightly fitting safety goggles. Face-shield.
Skin and body protection	No special protective equipment required
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Colourless transparent liquid
Odour	Weak odour
Initial Boiling	100°C
Flash point	>96°C
(closed cup)	°C
pH Value	7.5(25°C,50.0g/L)
Solubility	Miscible in water
Density/Relative	1.008×10 ³ kg/m ³ (20.0°C ±0.1°C)
Density Viscosity:	1.074mm ² /s (20.00°C±0.02°C, kinematic viscosity)

Section 10: Stability and reactivity

10.1 Reactivity

No information available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Precautionary Statements

Wash hands thoroughly after handling. Wear protective gloves, clothing and eye and face protection.

10.4 Conditions to avoid

None known based on information supplied.

10.5 Incompatible materials

None known based on information supplied.

10.6 Hazardous decomposition products

None known based on information supplied.

10.7 Hazardous polymerization

Hazardous polymerization does not occur.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

- General advice** If symptoms persist, call a physician.
- Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
- Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. If symptoms persist, call a physician.
- Inhalation** Move to fresh air.
- Ingestion** Clean mouth with water. Drink plenty of water.

Chemical Name	LD ₅₀ Oral	LD ₅₀ Dermal	LC ₅₀ Inhalation
Sodium chloride	3000mg/kg (Rat)	>10000mg/kg (Rabbit)	>42000mg/m ³ /1H (Rat)
Sodium dihydrogen orthophosphate	17000mg/kg (Rat)	-	-
Potassium chloride	2600mg/kg (Rat)	-	-
Potassium dihydrogen orthophosphate	-	>4640mg/kg (Rabbit)	-

Chronic toxicity

- Corrosivity** No information available.
- Sensitization** No information available.
- Neurological effects** No information available.
- Reproductive toxicity** No information available.
- Mutagenic effects** No information available.
- Target Organ Effects** No information available.

Section 12: Ecological information

12.1 Toxicity

The environmental impact of this product has not been fully investigated.

Section 13: Disposal considerations

Waste disposal methods

Contact a licensed professional waste disposal service to dispose of this material. This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult the appropriate state, regional, or local regulations for additional requirements.

- Waste from residues / unused products** Dispose of in accordance with local regulations
- Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal

Other information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: Transport information

DOT: Not dangerous goods

IATA: Not dangerous goods

ADR: Not dangerous goods

Section 15: Regulatory information

Regulation (EC) No. 1272/2008:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Section 16: Other information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislation. The absence of warning must not, under any and all circumstances be taken to mean that no hazard exists.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End Of MSDS