

SAFETY DATA SHEET
Shigella Agglutination Sera
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 No. 758, as amended.

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

1.1 Product Identifier

Product name Shigella Agglutination Sera
Product codes PL.6900, PL.6901, PL.6902, PL.6903.

1.2 Relevant identified uses of the substance or mixture

Identified uses Laboratory reagent.
Uses advised against No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet

Supplier Pro-Lab Diagnostics
3 Bassendale Road
Bromborough
Wirral
CH62 3QL
UK
Tel: +44 (0) 151 353 1613
Fax: +44 (0) 151 353 1614
Email: uksupport@pro-lab.com

1.4 Emergency telephone number

Emergency telephone 999

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

2.2 Label elements

Hazard statements Not classified

2.3 Other hazards

Not applicable.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable.

3.2 Mixtures

Sodium Azide	0.09%
CAS number: 26628-22-8 EC number: 247-852-1	
Substance with National workplace exposure limits.	
Classification	
Acute Tox. 2 Acute Tox. 1; STOT RE 2 Aquatic Acute 1 Aquatic Chronic 1; H300, H330, H310, H373, H400, H410 M-Factor – Aquatic Acute: 1 M-Factor – Aquatic Chronic: 1	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	May cause temporary blindness.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher as this will spread the fire.

5.2 Special hazards arising from substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3 Methods and material for containment and clearing up

Methods for clearing up Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4 Reference to other sections

Reference to other sections See Section 11 for additional information on health hazards. For waste disposal see Section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Usage precautions Read and follow manufacturer's recommendations.

Advice on general occupational Hygiene Avoid contact with eyes and prolonged skin contact.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place.

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7.3 Specific end use(s)

Specific end use(s) The identified uses for this product are identified in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1 Control parameters

Ingredient comments Thiomersal is present at a concentration of 0.01% in Salmonella Agglutination Sera with 4-digit numerical lot numbers. Sodium Azide is present at a concentration of 0.09% in Salmonella Agglutination Sera with 4-digit numerical lot numbers pre-fixed with the letter P. No exposure limits are known for these ingredients at these concentrations.

8.2 Exposure controls

Eye/face protection No specific eye protection required during normal use but good safety practices should always be observed when working with chemical products.

Hand protection The most suitable glove should be chosen in consultation with the glove supplier/manufacturer who can provide information about the breakthrough time of the glove material.

Hygiene measures No specific hygiene procedures recommended but good personal hygiene should always be observed when working with chemical products.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not relevant.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not relevant.
Upper/lower flammability or explosive limits	Not relevant.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	Not determined.
Bulk density	Not determined.
Solubility	Soluble in water.
Partition co-efficient	Not determined.
Auto-ignition temperature	Not relevant.

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Decomposition temperature	Not relevant.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2 Other information

Other information	No information required.
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SECTION 10: Stability and reactivity

10.1 Reactivity

Reactivity	There are no known reactivity hazard associated with this product.
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10.2 Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3 Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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10.4 Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5 Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6 Hazardous decomposition products

Hazardous decomposition products	None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity – oral

Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
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Acute toxicity – dermal

Notes (dermal LD₅₀)	Based on available data the classification criteria are not met.
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Acute toxicity – inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage /irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity – in vitro Based on available data the classification criteria are not met.

Genotoxicity – in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

STOT – single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity – repeated exposure

STOT – repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity Not considered toxic to fish.

12.2 Persistence and degradability

Persistence and degradability No data available.

12.3 Bio-accumulative potential

Bio-accumulative potential No data available.

Partition co-efficient Not determined

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12.4 Mobility in soil

Mobility The product is soluble in water.

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

General information Dispose of waste product or used containers in accordance with local regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number

Not applicable.

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class

No transport warning sign required.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

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SECTION 15: Regulatory information

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

National regulations EH40/2005 Workplace exposure limits.
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 No. 758, as amended.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc. (EU Exit) Regulations 2019 No. 720, as amended.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures Not classified.: Calculation method.
According to SI 2019 No. 720

Revision comments Revised regulations.

Revision date 2023/05/04

Revision 8

Supersedes date 2022/09/26

SDS number 2872

Hazard statements in full H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Disclaimer

The information in this safety data sheet was obtained from current and reliable sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Pro-lab Diagnostics' control, it is the user's responsibility to perform thorough testing of this product when used in combination with any other product. It is suggested that users familiarise themselves with this safety data sheet before handling the product.