

**SAFETY DATA SHEET**  
**Shigella Agglutination Sera**  
According to Regulation (EC) No. 1907/2006, Annex II 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 and uses advised against**

**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](mailto:uksupport@pro-lab.com)

**EU Supplier** Name:  
Address:

Tel:  
Fax:  
Email:

**1.4 Emergency telephone number**

**Emergency telephone (UK)** 999  
**Emergency telephone (EU)** 112

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification (EC 1272/2008)**

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

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**Classification (67/548/EEC or 1999/45/EC)**

**Hazard statements**                      Not classified

**2.3 Other hazards**

Not applicable.

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

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

<b>Sodium Azide</b>	<b>0.09%</b>
CAS number: 26628-22-8    EC number: 247-852-1	
Substance with National workplace exposure limits.	
<b>Classification</b>	
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**

<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	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.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse.

**4.2 Most important symptoms and effects, both acute and delayed**

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

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**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.

**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.

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**7.2 Conditions for safe storage, including any incompatibilities**

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

**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**

<b>Appearance</b>	Liquid.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not relevant
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Upper/lower flammability or explosive limits</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Bulk density</b>	Not determined.

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<b>Solubility</b>	Soluble in water.
<b>Partition co-efficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition temperature</b>	Not relevant.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

**9.2 Other information**

<b>Other information</b>	No information required.
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**SECTION 10: Stability and reactivity****10.1 Reactivity**

<b>Reactivity</b>	There are no known reactivity hazard associated with this product.
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**10.2 Chemical stability**

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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**10.3 Possibility of hazardous reactions**

<b>Possibility of hazardous reactions</b>	Will not polymerise.
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**10.4 Conditions to avoid**

<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
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**10.5 Incompatible materials**

<b>Materials to avoid</b>	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**

<b>Hazardous decomposition products</b>	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**

<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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**Acute toxicity – dermal**

<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
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**Acute toxicity – inhalation**

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**Notes (inhalation LC<sub>50</sub>)** 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.

**11.2 Information on other hazards**

Not applicable.

**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.

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**Partition co-efficient** Not determined.

**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 Endocrine disrupting properties**

The mixture does not contain components considered to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7 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.

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**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15: Regulatory information**

Not applicable.

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

EH40/2005 Workplace exposure limits.  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 No. 716).

**EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EU) No 2020/878 of the European Parliament and of the Council of 18 June 2020 concerning revised requirements for EU safety data sheets.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****Classification procedures  
According to SI 2019 No. 720**

Not classified.: Calculation method.

**Revision comments**

n/a

**Revision date**

2023/05/31

**Revision**

8

**Supersedes date**

2023/05/04

**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.



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**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

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**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.**