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

1.1 Product identifier

Trade name: SERION ELISA *antigen* - Candida
Product no.: ESR200

1.2 Relevant identified uses of the substance or mixture and discouraged uses

Identified use: In vitro diagnostic agent or component of an in vitro diagnostic agent
Discouraged uses: No other relevant data available.

1.3 Details of the supplier of the safety data sheet

Institut Virion\Serion GmbH
Friedrich-Bergius-Ring 19
97076 Würzburg
Germany
Tel. 0049 (0) 931 – 30 45 0
Fax 0049 (0) 931 – 30 45 100
E-Mail info@virion-serion.de

1.4 Emergency telephone number

Manufacturer: 0049 (0) 931 – 30 45 0 (Monday to Friday, 8:30 a.m. to 4:00 p.m.)

Section 2: Hazards identification

2.1 Classification of the substance, mixture or product

Classification according to Regulation (EC) No. 1272/2008
Contains stop solution SERION ELISA *antigen*
Corrosive to metals, category 1, H290

2.2 Label elements

Hazard pictogram:

Signal word: Caution
Hazard statements: H290 Can be corrosive to metals.

2.3 Other hazards

This product contains chemically and/or physically inactivated biological agents and should be considered potentially infectious. This mixture does not meet the criteria to be classified as PBT or vPvB.

Section 3: Composition/information on ingredients

3.1 Substance
Not applicable

3.2 Mixture
SULPHURIC ACID
EC No. ; 231-639-5 EINECS: 016-020-00-8; CAS No. 7664-93-9
Concentration: 1–5% w/w

Classification according to Regulation (EC) No. 1272/2008:
Skin Corr. 1A; H314 • Met. Corr. 1; H290

Section 4: First aid measures

4.1 Description of first aid measures

Following inhalation:	Fresh air.
Following skin contact:	Wash off with plenty of water. Remove contaminated clothing immediately.
Following eye contact:	Flush with plenty of water. If necessary, consult an ophthalmologist.
Following ingestion:	Give water to drink (maximum 2 glasses), do not attempt to neutralise. Consult a doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed
Irritation.

4.3 Indication of any immediate medical attention and special treatment needed
No information available.

Section 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Use extinguishing measures appropriate to the environment.
Unsuitable extinguishing media
There are no restrictions for the extinguishing media used for this substance/mixture.

5.2 Special hazards arising from the substance or mixture
Non-flammable. A fire in the nearby surroundings may generate hazardous vapours.

5.3 Advice for firefighters
Special protective equipment for firefighters
Self-contained breathing apparatus required when in the hazard area.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 Information for non-emergency personnel
Do not inhale vapours/aerosols. Avoid contact with substance. Ensure adequate ventilation. Evacuate the danger zone, follow the emergency plan, consult specialists.

6.1.2 Information for emergency responders
Protective equipment: see section 8.

6.2 Environmental precautions
No special precautions required.

6.3 Methods and materials for containment and cleaning up
Observe possible material restrictions! (Information in Section 7 or Section 10).
Absorb with liquid-binding and neutralising material. Pass on for disposal. Clean.

6.4 Reference to other sections
Instructions for disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling
Follow the instructions on the label.

7.1.2 Hygiene measures
Change contaminated clothing immediately. Application of preventive skin protection recommended. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and vessels:
Keep tightly closed.
Store at +2 °C to +25 °C.

7.3 Specific end uses
Apart from the intended use as per Section 1.2, no other specific end uses are stipulated.

Section 8: Exposure controls/personal protection/ personal protective equipment

8.1 Control parameters
Does not contain substances with occupational exposure limits.

8.2 Exposure controls

8.2.1 Appropriate engineering controls
Engineering controls and the implementation of suitable working processes have priority over the use of personal protective equipment. See section 7.1.

8.2.2 Personal protection measures
Select suitable protective equipment for the workplace depending on the concentration and quantity of the hazardous substance. The chemical resistance of the protective equipment should be clarified with the supplier.

8.2.2.1 Eye/face protection
Safety glasses

8.2.2.2 Skin protection

Hand protection
Glove material, e.g., nitrile rubber
The protective gloves must conform to the specifications of EC Directive 89/686/EEC and the related standard EN 374.

Other safety precautions
Protective clothing

8.2.2.3 Respiratory protection
Required if vapours or aerosols are generated.

8.2.3 Environmental exposure controls
No special precautions required.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Odourless
Odour threshold	Not applicable
pH	Approx. 1.0 at 20 °C
Melting point	No information available
Boiling point	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Lower explosion limit	No information available
Upper explosion limit	No information available
Vapour pressure	No information available
Relative vapour density	No information available
Relative density	1.02 g/cm³ at 20 °C
Water solubility at 20 °C	Soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	Not classified as explosive
Oxidising properties	None

9.2 Other information

Corrosivity	Can be corrosive to metals

Section 10: Stability and reactivity

10.1 Reactivity
Corrosive.

10.2 Chemical stability
The product is chemically stable under normal environmental conditions (room temperature).

10.3 Possibility of hazardous reactions
Violent reactions possible with:
Metals and light metals
The following can be generated:
Hydrogen

10.4 Conditions to avoid
No information available

10.5 Incompatible materials
Metals, tissues of animal or plant origin

10.6 Hazardous decomposition products
No information available

Section 11: Toxicological information

11.1 Information on toxicological effects
Mixture

Acute oral toxicity
No information available.

Acute inhalative toxicity
No information available.

Acute dermal toxicity
No information available.

Skin irritation
Skin irritation possible.

Eye irritation
Eye irritation possible.

Sensitisation
No information available.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available.

Reproductive toxicity
No information available.

Teratogenicity
No information available.

Specific target organ toxicity - single exposure
No information available.

Specific target organ toxicity - repeated exposure
No information available.

Aspiration hazard
No information available.

11.2 Other information
Quantitative data on the toxicity of this product are not available.

Further toxicological information
None known.

Other information
Handle in accordance with good industrial hygiene and safety practice.

Section 12: Ecological information

Mixture

12.1 Toxicity
No information available.

12.2 Persistence and degradability
Biodegradability
The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulation potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
There is no PBT/vPvB assessment available because no chemical safety assessment is required/was conducted.

12.6 Other adverse effects
Other ecological information

With proper handling and use, ecological problems are not expected.

Ingredients
Sulphuric acid

Toxicity to *Daphnia* and other aquatic invertebrates
EC50 *Daphnia magna* (water flea): 29 mg/L; 24 h (IUCLID)

Section 13: Disposal considerations

Waste treatment methods
Dispose of leftover product in accordance with Directive 2008/98/EC on waste and national and regional regulations. Leave chemicals in their original containers. Do not mix with other waste. Handle uncleaned containers like the product itself.

Section 14: Transport information

Land transport (ADR/RID)

14.1 UN number UN 3264
14.2 Proper UN shipping name
Corrosive, acidic inorganic liquid substance, NES (SULPHURIC ACID SOLUTION)
14.3 Transport hazard class 8
14.4 Packing group III
14.5 Environmental hazards --
14.6 Special precautions for user yes
Tunnel restriction code E
Inland waterway transport (ADN)
Not relevant

Air transport (IATA)

14.1 UN number UN 3264
14.2 Proper UN shipping name
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID SOLUTION)
14.3 Class 8
14.4 Packing group III
14.5 Environmental hazards --
14.6 Special precautions for user none

Sea transport (IMDG)

14.1 UN number UN 3264
14.2 Proper UN shipping name
CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID SOLUTION)

14.3 Class 8
14.4 Packing group III
14.5 Environmental hazards --
14.6 Special precautions for user yes
EmS F-A S-B
14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code
Not relevant

Section 15: Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture
EU regulations
Directive 96/82/EC (On the Control of Major-Accident Hazards Involving Dangerous Substances)
Directive 96/82/EC does not apply.
Employment restrictions
The employment restrictions set down in the German Youth Employment Protection Act (94/33/EG) must be observed.
National regulations
Storage class 8B
Water hazard class nwg not a water hazard
BG-Chemie (German Social Accident Insurance Institution for the Raw Materials and Chemical Industry) leaflet M004 Irritating and Corrosive Substances
M050 Working with Hazardous Substances

15.2 Chemical safety assessment
A chemical safety assessment has not been conducted for this product.

Section 16: Other information

Full text of hazard warnings in Sections 2 and 3.
H290 Can be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Full text in Sections 2 and 3 and listed R-phrases
R35 Causes severe burns.

The information describes the product with reference to the applicable safety precautions. It is not an assurance of the properties of the product.