The following safety data sheets are valid for the Demeditec ELISA Kits listed in the table below:

<table>
<thead>
<tr>
<th>Article number</th>
<th>Trade Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE2463</td>
<td>FIV p24/p17 (Feline Immunodeficiency Virus Ab) ELISA</td>
</tr>
<tr>
<td>DE2466</td>
<td>FPV (Feline Panleukopenia Virus) Antigen ELISA</td>
</tr>
<tr>
<td>DE2467</td>
<td>FPV (Feline Panleukopenia Virus) Ab ELISA</td>
</tr>
<tr>
<td>DE2468</td>
<td>FCoV (Feline Corona Virus) Ab ELISA</td>
</tr>
<tr>
<td>DE2469</td>
<td>FeLV-p27 (Feline Leukaemia Virus) antigen ELISA</td>
</tr>
<tr>
<td>DE2472</td>
<td>FHV (Feline Herpes Virus) Ab ELISA</td>
</tr>
<tr>
<td>DE2473</td>
<td>FCV (Feline Calici Virus) Ab ELISA</td>
</tr>
<tr>
<td>DE2474</td>
<td>Chlamydia (psittaci/trachomatis) Ab feline ELISA</td>
</tr>
<tr>
<td>DE2477</td>
<td>CPV (Canine Parvo Virus) antigen in faeces ELISA</td>
</tr>
<tr>
<td>DE2478</td>
<td>CDV (Canine Distemper Virus) IgG ELISA</td>
</tr>
<tr>
<td>DE2479</td>
<td>CDV (Canine Distemper Virus) IgM Ab ELISA</td>
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<tr>
<td>DE2480</td>
<td>CAV (Canine Adenovirus) Ab ELISA</td>
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<tr>
<td>DE2481</td>
<td>CHV (Canine Herpes Virus) Ab ELISA</td>
</tr>
<tr>
<td>DE2482</td>
<td>CCV (Canine Corona Virus) IgG ELISA</td>
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<tr>
<td>DE2483</td>
<td>CCV (Canine Corona Virus) IgM ELISA</td>
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<tr>
<td>DE2486</td>
<td>Rabies Virus Ab IgG (Dog) ELISA</td>
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<tr>
<td>DE2487</td>
<td>Rabies Virus Ab IgM (Dog) ELISA</td>
</tr>
<tr>
<td>DE2497</td>
<td>Brucella IgG Ab bovine ELISA</td>
</tr>
<tr>
<td>DE2498</td>
<td>Leptospira hardjo Ab bovine ELISA</td>
</tr>
<tr>
<td>DE4795</td>
<td>Heartworm Ag canine ELISA</td>
</tr>
</tbody>
</table>

Each ELISA product contains the following components:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Component name</th>
<th>Component classification according to Regulation (EC) no.1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>10060001</td>
<td>Microplate</td>
<td>Not classified</td>
</tr>
<tr>
<td>10060000</td>
<td>Strip holder</td>
<td>Not classified</td>
</tr>
<tr>
<td>10060002</td>
<td>ELISA buffer</td>
<td>Not classified</td>
</tr>
<tr>
<td>10060003</td>
<td>HRPO conjugated anti-species antibodies</td>
<td>Not classified</td>
</tr>
<tr>
<td>10060004</td>
<td>Positive Control</td>
<td>Not classified</td>
</tr>
<tr>
<td>10060005</td>
<td>Negative Control</td>
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</tr>
<tr>
<td>00000004</td>
<td>Concentrated Wash Solution</td>
<td>Not classified *</td>
</tr>
<tr>
<td>00000001</td>
<td>Substrate A</td>
<td>Not classified</td>
</tr>
<tr>
<td>00000002</td>
<td>Substrate B</td>
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<tr>
<td>00000003</td>
<td>Stop Solution</td>
<td>Danger – H314</td>
</tr>
<tr>
<td>00000005</td>
<td>Plastic cover seal</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Disclaimer

This document is intended only as a guide to appropriate precautionary handling of this product by a trained person, or supervised by a person trained in chemical handling. The product shall not be used for purposes different from those indicated in section 1, unless having received suitable written instructions on how to handle the material. Use the product in accordance with the Good Laboratory Practice. This document cannot describe all potential dangers of use or interaction with other chemicals or materials. It is the user’s responsibility for the product’s safe use, the product’s suitability for the intended use and the product’s safe disposal. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers. The contained information in this SDS is in accordance with Annex II of the COMMISSION REGULATION (EU) No 2015/830 of 01 June 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, authorization and Restriction of Chemicals (REACH).
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Trade name: Microplate (10060001)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against
No additional information available.

1.3 Details of the supplier of the safety data sheet
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
D-24145 Kiel
Germany
Phone.: +49-(0)431 / 71922-0
Fax: +49-(0)431 / 71922-55
E-Mail: info@demeditec.de
http://www.demeditec.de

1.4 Emergency telephone number
+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling required.

2.3 Other hazards
Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.
SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂). Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.
6.2 **Environmental precautions**
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 **Methods and material for containment and cleaning up**
Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4 **Reference to other sections**
See Section 8: Exposure controls and personal protection.

### SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for safe handling**
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 **Conditions for safe storage, including any incompatibilities**
- Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
- Incompatible materials: Sources of ignition. Direct sunlight.
- Storage temperature: 2 - 8 °C
- Heat and ignition sources: Conditions to be avoided.
- Prohibitions on mixed storage: Heat sources. Direct sunlight.
- Special rules on packaging: Keep only in original container.

7.3 **Specific end use(s)**
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters**
No additional information available.

8.2 **Exposure controls**
- Personal protective equipment: Avoid all unnecessary exposure.
- Materials for protective clothing: Wear suitable protective clothing
- Hand protection: Wear protective gloves
- Eye protection: Chemical goggles or safety glasses
- Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 **Information on basic physical and chemical properties**
- Physical state: Solid
Trade name: Microplate
Product number: Valid for ELISA products listed in the table on page 1

Colour: Colourless
Odour: Odourless
Odour threshold: No data available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Non flammable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: Insoluble
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2 Other information
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Product is not explosive.

10.2 Chemical stability
The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity: Not classified
Trade name: Microplate
Product number: Valid for ELISA products listed in the table on page 1

Skin corrosion/irritation: Not classified; based on available data, the classification criteria are not met.
Serious eye damage/irritation: Not classified; based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Not classified; based on available data, the classification criteria are not met.
Germ cell mutagenicity: Not classified; based on available data, the classification criteria are not met.
Carcinogenicity: Not classified; based on available data, the classification criteria are not met.
Reproductive toxicity: Not classified; based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): Not classified; based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Not classified; based on available data, the classification criteria are not met.
Aspiration hazard: Not classified; based on available data, the classification criteria are not met.
Potential adverse human health effects and symptoms: Not classified; based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No additional information available

12.2 Persistence and degradability
Not established.

12.3 Bioaccumulative potential
Not established.

12.4 Mobility in soil
No additional information available

12.5 Results of PBT and vPvB assessment
No additional information available

12.6 Other adverse effects
Additional information: Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.
SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th></th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
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<td></td>
<td></td>
</tr>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
</tr>
</tbody>
</table>

14.6 Special precautions for user
- Overland transport: No data available
- Transport by sea: No data available
- Air transport: No data available
- Rail transport / Carriage prohibited (RID): No

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU-Regulations
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations
Germany
VwVwS Annex reference: Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act (Zwölfte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung 12. BImSchV): Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding:
None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid:
None of the components are listed

NIET-limitatie lijst van voor de voortplanting giftige stoffen-ontwikkeling:
None of the components are listed

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Trade name: ELISA Buffer
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against
No additional information available.

1.3 Details of the supplier of the safety data sheet
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
D-24145 Kiel
Germany
Phone.: +49-(0)431 / 71922-0
Fax: +49-(0)431 / 71922-55
E-Mail: info@demeditec.de
http://www.demeditec.de

1.4 Emergency telephone number
+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Precautionary statements (CLP):
P280 - Wear eye protection, protective gloves, protective clothing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards
Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Other hazards not contributing to the classification:
The product contains inactivated (BSE free) purified albumin: ≥99%.
This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂). Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Trade name: ELISA Buffer  
Product number: Valid for ELISA products listed in the table on page 1

Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Colour: Pale yellow
Odour: Odourless
Odour threshold: No data available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Non flammable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: Completely soluble
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2 Other information
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Product is not explosive.

10.2 Chemical stability
The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity: Not classified
Skin corrosion/irritation: Not classified; based on available data, the classification criteria are not met.
Serious eye damage/irritation: Not classified; based on available data, the classification criteria are not met.
Respiratory or skin sensitisation: Not classified; based on available data, the classification criteria are not met.
Germ cell mutagenicity: Not classified; based on available data, the classification criteria are not met.
Carcinogenicity: Not classified; based on available data, the classification criteria are not met.
Reproductive toxicity: Not classified; based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure): Not classified; based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Not classified; based on available data, the classification criteria are not met.
Aspiration hazard: Not classified; based on available data, the classification criteria are not met.
Potential adverse human health effects and symptoms: Not classified; based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No additional information available

12.2 Persistence and degradability
Not established.

12.3 Bioaccumulative potential
Not established.

12.4 Mobility in soil
No additional information available

12.5 Results of PBT and vPvB assessment
This mixture does not meet the PBT criteria of REACH regulation, annex XIII
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Trade name: ELISA Buffer
Product number: Valid for ELISA products listed in the table on page 1

12.6 **Other adverse effects**
Additional information: Avoid release to the environment

### SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

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<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant: No</td>
<td>No supplementary information available</td>
<td>No supplementary information available</td>
<td>No supplementary information available</td>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overland transport: No data available</td>
</tr>
<tr>
<td>Transport by sea: No data available</td>
</tr>
<tr>
<td>Air transport: No data available</td>
</tr>
<tr>
<td>Rail transport / Carriage prohibited (RID): No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

### SECTION 15: REGULATORY INFORMATION

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

**15.1.1 EU- Regulations**
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
15.1.2 National regulations

Germany
VwVwS Annex reference: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)


Netherlands
SZW-lijst van kankerverwekkende stiften: None of the components are listed
SZW-lijst van mutagene stiften: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling: None of the components are listed

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Trade name: HRPO conjugated anti-species antibodies (10060003)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against
No additional information available.

1.3 Details of the supplier of the safety data sheet
Demeditec Diagnostics GmbH Phone.: +49-(0)431 / 71922-0
Lise-Meitner-Str. 2 Fax: +49-(0)431 / 71922-55
D-24145 Kiel E-Mail: info@demeditec.de
Germany http://www.demeditec.de

1.4 Emergency telephone number
+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Precautionary statements (CLP): P280 - Wear eye protection, protective gloves, protective clothing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards
Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Other hazards not contributing to the classification:
The product contains inactivated dog/cat material free of known diseases. It’s purified monoclonal antibody produced in tissue culture buffer with albumin.

This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tris(hydroxymethyl)-aminomethane</td>
<td>(CAS No) 77-86-1</td>
<td>0.25 - 0.5</td>
<td>Not classified</td>
</tr>
<tr>
<td>(EC no) 201-064-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bronidox L Cognis</td>
<td>(CAS No) 30007-47-7</td>
<td>0.25 - 0.5</td>
<td>Skin Corr. 1B, H314, Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>(EC no) 250-001-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂). Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
**TRADE NAME:** Positive Control  
**PRODUCT NUMBER:** Valid for ELISA products listed in the table on page 1

- **Materials for protective clothing:** Wear suitable protective clothing
- **Hand protection:** Wear protective gloves
- **Eye protection:** Chemical goggles or safety glasses
- **Respiratory protection:** Respiratory protection equipment not absolutely necessary

**Environmental exposure controls:** Avoid release to the environment.

**Other information:** Do not eat, drink or smoke during use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**
- **Physical state:** Liquid
- **Colour:** Colourless
- **Odour:** Odourless
- **Odour threshold:** No data available
- **pH:** \( \approx 6.4 \)
- **Relative evaporation rate (butylacetate=1):** No data available
- **Melting point:** No data available
- **Freezing point:** No data available
- **Boiling point:** No data available
- **Flash point:** No data available
- **Auto-ignition temperature:** No data available
- **Decomposition temperature:** No data available
- **Flammability (solid, gas):** Non flammable
- **Vapour pressure:** No data available
- **Relative vapour density at 20 °C:** No data available
- **Relative density:** No data available
- **Solubility:** Completely soluble
- **Log Pow:** No data available
- **Viscosity, kinematic:** No data available
- **Viscosity, dynamic:** No data available
- ** Explosive properties:** No data available
- **Oxidising properties:** No data available
- **Explosive limits:** No data available

**9.2 Other information**

No additional information available.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

Product is not explosive.

**10.2 Chemical stability**

The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.
10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50 (mg/kg)</th>
<th>Dermal LD50 (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tris(hydroxymethyl)-aminomethane</td>
<td>&gt; 3000</td>
<td>&gt; 5000</td>
</tr>
<tr>
<td>Bronidox L Cognis</td>
<td>&gt; 2000 - 5000</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified; based on available data, the classification criteria are not met. pH: 6.4 (6 - 8)

Serious eye damage/irritation: Not classified; based on available data, the classification criteria are not met. pH: 6.4 (6 - 8)

Respiratory or skin sensitisation: Not classified; based on available data, the classification criteria are not met.

Germ cell mutagenicity: Not classified; based on available data, the classification criteria are not met.

Carcinogenicity: Not classified; based on available data, the classification criteria are not met.

Reproductive toxicity: Not classified; based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Not classified; based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Not classified; based on available data, the classification criteria are not met.

Aspiration hazard: Not classified; based on available data, the classification criteria are not met.

Potential adverse human health effects and symptoms: Not classified; based on available data, the classification criteria are not met.
SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Toxicity Endpoint</th>
<th>Concentration/L</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tris(hydroxymethyl)-aminomethane (77-86-1)</td>
<td>EC50 Daphnia 1</td>
<td>980 mg/L</td>
<td>48 h</td>
</tr>
<tr>
<td>NOEC chronic algae</td>
<td>100 mg/L</td>
<td>72 h</td>
<td></td>
</tr>
<tr>
<td>Bronidox L Cognis (30007-47-7)</td>
<td>LC50 fish 1</td>
<td>( \approx 5 \ (1 - 10) ) mg/L</td>
<td></td>
</tr>
<tr>
<td>EC50 other aquatic organisms 1</td>
<td>( \approx 5 \ (1 - 10) ) mg/L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
Not established.

12.3 Bioaccumulative potential
Not established.

12.4 Mobility in soil
No additional information available.

12.5 Results of PBT and vPvB assessment
This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6 Other adverse effects
Additional information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.
SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>14.1 UN No.</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 UN Proper shipping name</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Overland transport: No data available</td>
</tr>
<tr>
<td>- Transport by sea: No data available</td>
</tr>
<tr>
<td>- Air transport: No data available</td>
</tr>
<tr>
<td>- Rail transport / Carriage prohibited (RID): No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>
SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU-Regulations
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations

Germany
VwVwS Annex reference: Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

Netherlands
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling: None of the components are listed

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.

Full text of R-, H- and EUH-statements:

Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Skin Corr. 1B Skin corrosion/irritation, Category 1B
H314 Causes severe skin burns and eye damage
H411 Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision date: 21/08/2017
Replaces version dated: 01/03/2017
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: Positive Control (10060004)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

Demeditec Diagnostics GmbH
Phone.: +49-(0)431 / 71922-0
Lise-Meitner-Str. 2
D-24145 Kiel
Fax: +49-(0)431 / 71922-55
E-Mail: info@demeditec.de
Germany
http://www.demeditec.de

1.4 Emergency telephone number

+49-(0)431 / 719-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Precautionary statements (CLP):
- P280 - Wear eye protection, protective gloves, protective clothing
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
  Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards

Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Other hazards not contributing to the classification:
This product contains inactivated dog/cat source material free of known diseases.

This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
SAFETY DATA SHEET
according to Regulation (EU) No. 2015/830

Trade name: Positive Control
Product number: Valid for ELISA products listed in the table on page 1

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thimerosal</td>
<td>(CAS No) 54-64-8</td>
<td></td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td>(EC no) 200-210-4</td>
<td></td>
<td>Acute Tox. 1 (Dermal), H310</td>
</tr>
<tr>
<td></td>
<td>(EC index no) 080-004-00-7</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 2 (Inhalation), H330</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂). Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Trade name: Positive Control
Product number: Valid for ELISA products listed in the table on page 1

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSO NAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Trade name: Positive Control
Product number: Valid for ELISA products listed in the table on page 1

Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Colourless
- Odour: Odourless
- Odour threshold: No data available
- pH: ≈7.5
- Relative evaporation rate (butylacetate=1): No data available
- Melting point: No data available
- Freezing point: No data available
- Boiling point: No data available
- Flash point: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Flammability (solid, gas): Non flammable
- Vapour pressure: No data available
- Relative vapour density at 20 °C: No data available
- Relative density: No data available
- Solubility: Completely soluble
- Log Pow: No data available
- Viscosity, kinematic: No data available
- Viscosity, dynamic: No data available
- Explosive properties: No data available
- Oxidising properties: No data available
- Explosive limits: No data available

9.2 Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is not explosive.

10.2 Chemical stability

The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.
10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Thimerosal (54-64-8)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>75 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal</td>
<td>98 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified; based on available data, the classification criteria are not met. pH: = 7.5 (7 - 8)

Serious eye damage/irritation: Not classified; based on available data, the classification criteria are not met. pH: = 7.5 (7 - 8)

Respiratory or skin sensitisation: Not classified; based on available data, the classification criteria are not met.

Germ cell mutagenicity: Not classified; based on available data, the classification criteria are not met.

Carcinogenicity: Not classified; based on available data, the classification criteria are not met.

Reproductive toxicity: Not classified; based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Not classified; based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Not classified; based on available data, the classification criteria are not met.

Aspiration hazard: Not classified; based on available data, the classification criteria are not met.

Potential adverse human health effects and symptoms: Not classified; based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Thimerosal (54-64-8)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>21 mg/L (48 h) Lepomis macrochirus</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>64,5 mg/L (48 h) Oncorhynchus mykiss</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability
Positive Control: Not established.
Trade name: Positive Control
Product number: Valid for ELISA products listed in the table on page 1

Thimerosal (54-64-8): May cause long-term adverse effects in the environment.

12.3 Bioaccumulative potential
Not established.

12.4 Mobility in soil
No additional information available

12.5 Results of PBT and vPvB assessment
This mixture does not meet the PBT criteria of REACH regulation, annex XIII
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects
Additional information: Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>14.1 UN No.</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2 UN Proper shipping name</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3 Transport hazard class(es)</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4 Packing group</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5 Environmental hazards</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td></td>
</tr>
<tr>
<td>Marine pollutant: No</td>
<td>No supplementary information available</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6 Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Overland transport: No data available</td>
</tr>
<tr>
<td>- Transport by sea: No data available</td>
</tr>
<tr>
<td>- Air transport: No data available</td>
</tr>
<tr>
<td>- Rail transport / Carriage prohibited (RID): No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Revision date: 21/08/2017

Replaces version dated: 01/03/2017
SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU-Regulations
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations
Germany
VwVwS Annex reference: Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act (Zwölfte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung 12. BlmSchV):
Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed

Denmark
Recommendations Danish Regulation: Pregnant/breastfeeding women working with the product must not be in direct contact with the product.

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.
SECTION 16: OTHER INFORMATION


Other information: None.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 1 (Dermal)</th>
<th>Acute toxicity (dermal), Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 1 (Inhalation)</td>
<td>Acute toxicity (inhal.), Category 1</td>
</tr>
<tr>
<td>Acute Tox. 2 (Oral)</td>
<td>Acute toxicity (oral), Category 2</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H310</td>
<td>Fatal in contact with skin</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: Negative Control (10060005)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses
Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against
No additional information available.

1.3 Details of the supplier of the safety data sheet
Demeditec Diagnostics GmbH
Phone.: +49-(0)431 / 71922-0
Lise-Meitner-Str. 2
Fax: +49-(0)431 / 71922-55
D-24145 Kiel
E-Mail: info@demeditec.de

1.4 Emergency telephone number
+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Precautionary statements (CLP):
P280 - Wear eye protection, protective gloves, protective clothing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards

Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Other hazards not contributing to the classification:
This product contains inactivated dog/cat source material free of known diseases.

This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thimerosal</td>
<td>(CAS No) 54-64-8 (EC no) 200-210-4 (EC index no) 080-004-00-7</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂). Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Trade name: Negative Control
Product number: Valid for ELISA products listed in the table on page 1

Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical state: Liquid
Colour: Colourless
Odour: Odourless
Odour threshold: No data available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Non flammable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: Completely soluble
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2 Other information
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Product is not explosive.

10.2 Chemical stability
The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.
10.3 **Possibility of hazardous reactions**
No dangerous reactions known under normal conditions of use.

10.4 **Conditions to avoid**
Direct sunlight. Extremely high or low temperatures.

10.5 **Incompatible materials**
Strong acids. Strong bases.

10.6 **Hazardous decomposition products**
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: TOXICOLOGICAL INFORMATION

11.1 **Information on toxicological effects**

<table>
<thead>
<tr>
<th>Acute toxicity:</th>
<th>Not classified</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Thimerosal (54-64-8)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal</td>
</tr>
</tbody>
</table>

| Skin corrosion/irritation: | Not classified; based on available data, the classification criteria are not met. |
| Serious eye damage/irritation: | Not classified; based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation: | Not classified; based on available data, the classification criteria are not met. |
| Germ cell mutagenicity: | Not classified; based on available data, the classification criteria are not met. |
| Carcinogenicity: | Not classified; based on available data, the classification criteria are not met. |
| Reproductive toxicity: | Not classified; based on available data, the classification criteria are not met. |
| Specific target organ toxicity (single exposure): | Not classified; based on available data, the classification criteria are not met. |
| Specific target organ toxicity (repeated exposure): | Not classified; based on available data, the classification criteria are not met. |
| Aspiration hazard: | Not classified; based on available data, the classification criteria are not met. |
| Potential adverse human health effects and symptoms: | Not classified; based on available data, the classification criteria are not met. |

### SECTION 12: ECOLOGICAL INFORMATION

12.1 **Toxicity**

<table>
<thead>
<tr>
<th><strong>Thimerosal (54-64-8)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
</tr>
<tr>
<td>LC50 fish 2</td>
</tr>
</tbody>
</table>

12.2 **Persistence and degradability**

| Negative Control: | Not established. |
| Thimerosal (54-64-8): | May cause long-term adverse effects in the environment. |

Revision date: 21/08/2017  
Replaces version dated: 01/03/2017
12.3 **Bioaccumulative potential**
Not established.

12.4 **Mobility in soil**
No additional information available.

12.5 **Results of PBT and vPvB assessment**
This mixture does not meet the PBT criteria of REACH regulation, annex XIII
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 **Other adverse effects**
Additional information: Avoid release to the environment

### SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.1 UN No.</strong></td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>14.2 UN Proper shipping name</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.3 Transport hazard class(es)</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.4 Packing group</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.5 Environmental hazards</strong></td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No Marine pollutant : No No supplementary information available</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
</tbody>
</table>

**14.6 Special precautions for user**
- Overland transport: No data available
- Transport by sea: No data available
- Air transport: No data available
- Rail transport / Carriage prohibited (RID): No

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

Revision date: 21/08/2017
Replaces version dated: 01/03/2017
15.1  Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations

Germany
VwVwS Annex reference: Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)


Netherlands
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid: None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling: None of the components are listed

Denmark
Recommendations Danish Regulation: Pregnant/breastfeeding women working with the product must not be in direct contact with the product.

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.
SECTION 16: OTHER INFORMATION


Other information: None.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 1 (Dermal)</th>
<th>Acute toxicity (dermal), Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 1 (Inhalation)</td>
<td>Acute toxicity (inhal.), Category 1</td>
</tr>
<tr>
<td>Acute Tox. 2 (Oral)</td>
<td>Acute toxicity (oral), Category 2</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>H300</td>
<td>Fatal if swallowed</td>
</tr>
<tr>
<td>H310</td>
<td>Fatal in contact with skin</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
1.1 Product identifier

**Trade name:** Concentrated Wash Solution (0000004)

**Product number:** Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

- **Industrial/Professional use spec.:** For professional use only
- **Use of the substance/mixture:** For In Vitro laboratory use

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

- **Demeditec Diagnostics GmbH**
- **Phone.:** +49-(0)431 / 71922-0
- **Fax:** +49-(0)431 / 71922-55
- **Lise-Meitner-Str. 2**
- **E-Mail:** info@demeditec.de
- **D-24145 Kiel**
- **Germany**
- **http://www.demeditec.de**

1.4 Emergency telephone number

- +49-(0)431 / 71922-0
- *(Only available during the following office hours: 8:00 h – 16:30 h (CET))*

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture *

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

2.2 Label elements *

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Precautionary statements (CLP):**

- **P272** - Contaminated work clothing should not be allowed out of the workplace
- **P302+P352** - IF ON SKIN: Wash with plenty of water
- **P333+P313** - If skin irritation or rash occurs: Get medical advice/attention
- **P362+P364** - Take off contaminated clothing and wash it before reuse
- **P501** - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
- **P280** - Wear eye protection, protective gloves, protective clothing
- **P305+P351+P338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3 Other hazards

Adverse physicochemical, human health and environmental effects:

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances
Not applicable

#### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>(CAS No) 26628-22-8</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 2 (Oral), H300</td>
</tr>
<tr>
<td></td>
<td>(EC no) 247-852-1</td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td>(EC index no) 011-004-00-7</td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: May cause an allergic skin reaction.

#### 4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Unsuitable extinguishing media: Do not use a heavy water stream.

#### 5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.

Explosion hazard: Product is not explosive.

Hazardous decomposition products in case of fire: Carbon oxides (CO, CO\(_2\)). Nitrogen oxides (NO\(_x\)) and sulphur oxides.
5.3  Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1  Personal precautions, protective equipment and emergency procedures

6.1.1  For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2  For emergency responders
Protective equipment: Equip clean-up crew with proper protection. Emergency procedures: Ventilate area.

6.2  Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3  Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4  Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1  Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Hygiene measures: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2  Conditions for safe storage, including any incompatibilities

7.3  Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>≈ 7.4 (7.1 - 7.7)</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely soluble</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is not explosive.

10.2 Chemical stability

The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rat</th>
<th>LD50 dermal rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium azide (26628-22-8)</td>
<td>27 mg/kg</td>
<td>50 mg/kg</td>
<td>20 mg/kg</td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

<table>
<thead>
<tr>
<th>Chemical</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium azide (26628-22-8)</td>
<td>4.2mg/L (96 h)</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Not established.

12.3 Bioaccumulative potential

Not established.

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

This mixture does not meet the PBT criteria of REACH regulation, annex XIII

This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects

Additional information: Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.
## SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th></th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN No.</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2 UN Proper shipping name</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
<td>Dangerous for the environment : No</td>
</tr>
</tbody>
</table>

**14.6 Special precautions for user**
- Overland transport: No data available
- Transport by sea: No data available
- Air transport: No data available
- Rail transport / Carriage prohibited (RID): No

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

**15.1.1 EU-Regulations**
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

**15.1.2 National regulations**

**Germany**
VwVwS Annex reference: Water hazard class (WGK) 1, low hazard to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act (Zwölftte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung 12. BImSchV):
Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**
SZW-lijst van kankerverwekkende stoffen: None of the components are listed
SZW-lijst van mutagene stoffen: None of the components are listed
Trade name: Concentrated Wash Solution
Product number: Valid for ELISA products listed in the table on page 1

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding:
None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid:
Chloracetamide is listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling:
None of the components are listed

Denmark
Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.

* Changes made to previous version are marked with " * * ".

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SAFETY DATA SHEET
according to Regulation (EU) No. 2015/830

Trade name: Substrate A, Substrate B
Product number: Valid for ELISA products listed in the table on page 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade name: Substrate A (0000001) / Substrate B (0000002)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses
Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against
No additional information available.

1.3 Details of the supplier of the safety data sheet
Demeditec Diagnostics GmbH
Phone.: +49-(0)431 / 71922-0
Lise-Meitner-Str. 2
Fax: +49-(0)431 / 71922-55
D-24145 Kiel
E-Mail: info@demeditec.de
Germany
http://www.demeditec.de

1.4 Emergency telephone number
+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Precautionary statements (CLP): P280 - Wear eye protection, protective gloves, protective clothing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
EUH-statements: EUH210 - Safety data sheet available on request

2.3 Other hazards
Adverse physicochemical, human health and environmental effects:
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.
This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable
3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,3',5,5'-Tetramethylbenzidine</td>
<td>(CAS No) 54827-17-7</td>
<td>1</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2, H319, STOT SE 3, H335</td>
</tr>
<tr>
<td></td>
<td>(EC no) 259-364-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Foam, Dry powder, Carbon dioxide, Water spray, Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO₂), Nitrogen oxides (NOx) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: See: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
No additional information available.

8.2 Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.
Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Trade name: Substrate A, Substrate B
Product number: Valid for ELISA products listed in the table on page 1

Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless to slightly yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>3.35 - 3.75</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>168 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partly soluble</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other information
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Product is not explosive.

10.2 Chemical stability
The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.
10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
- Acute toxicity: Not classified
- Skin corrosion/irritation: Not classified; based on available data, the classification criteria are not met. pH: 3.35 - 3.75
- Serious eye damage/irritation: Not classified; based on available data, the classification criteria are not met. pH: 3.35 - 3.75
- Respiratory or skin sensitisation: Not classified; based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Not classified; based on available data, the classification criteria are not met.
- Carcinogenicity: Not classified; based on available data, the classification criteria are not met.
- Reproductive toxicity: Not classified; based on available data, the classification criteria are not met.
- Specific target organ toxicity (single exposure): Not classified; based on available data, the classification criteria are not met.
- Specific target organ toxicity (repeated exposure): Not classified; based on available data, the classification criteria are not met.
- Aspiration hazard: Not classified; based on available data, the classification criteria are not met.
- Potential adverse human health effects and symptoms: Not classified; based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No additional information available.

12.2 Persistence and degradability
Not established.

12.3 Bioaccumulative potential
Not established.

12.4 Mobility in soil
No additional information available.

12.5 Results of PBT and vPvB assessment
This mixture does not meet the PBT criteria of REACH regulation, annex XIII
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects
Additional information: Avoid release to the environment
SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN No.</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2 UN Proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Marine pollutant: No</td>
</tr>
<tr>
<td></td>
<td>No supplementary information available</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

14.6 Special precautions for user
- Overland transport: No data available
- Transport by sea: No data available
- Air transport: No data available
- Rail transport / Carriage prohibited (RID): No

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU-Regulations
Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2 National regulations
Germany
VwVwS Annex reference: Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act (Zwölfte Verordnung zur Durchführung des Bundes-Immissionsschutzgesetzes (Störfall-Verordnung 12. BlmSchV):

Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: None of the components are listed

SZW-lijst van mutagene stoffen: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-borstvoeding: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling: None of the components are listed

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.

Full text of H- and EUH-statements:

| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| EUH210 | Safety data sheet available on request |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: Stop Solution (0000003)
Product number: Valid for ELISA products listed in the table on page 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Industrial/Professional use spec.: For professional use only
Use of the substance/mixture: For In Vitro laboratory use

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
D-24145 Kiel
Germany

Phone.: +49-(0)431 / 71922-0
Fax: +49-(0)431 / 71922-55
E-Mail: info@demeditec.de
http://www.demeditec.de

1.4 Emergency telephone number

+49-(0)431 / 71922-0
(Only available during the following office hours: 8:00 h – 16:30 h (CET))

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Skin Corr. 1A H314
Eye Dam. 1 H318

Full text of H-statements: see section 16

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):
Signal word (CLP): Danger
Hazardous ingredients: Sulphuric acid
Hazard statements (CLP): H314 - Causes severe skin burns and eye damage
Precautionary statements (CLP):
P260 - Do not breathe spray, gas, fume, dust, mist, vapours
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves, protective clothing
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse

Revision date: 21/08/2017
Replaces version dated: 01/03/2017
cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3 Other hazards
This mixture does not meet the PBT criteria of REACH regulation, annex XIII.
This mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphuric acid</td>
<td>(CAS No) 7664-93-9</td>
<td>3-5</td>
<td>Skin Corr. 1A</td>
</tr>
<tr>
<td></td>
<td>(EC no) 231-639-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC index no) 016-020-00-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact: Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically.
SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media
Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture
Fire hazard: Not flammable.
Explosion hazard: Product is not explosive.
Hazardous decomposition products in case of fire: Carbon oxides (CO, CO\(_2\)). Nitrogen oxides (NO\(_x\)) and sulphur oxides.

5.3 Advice for firefighters
Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2 For emergency responders
Protective equipment: Equip clean-up crew with proper protection.
Emergency procedures: Ventilate area.

6.2 Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections
See Section 8: Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures: Wash thoroughly after handling.
7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.
Storage conditions: Keep container closed when not in use. Keep only in original container. Keep cool. Protect from sunlight.
Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.
Storage temperature: 2 - 8 °C
Heat and ignition sources: Conditions to be avoided.
Prohibitions on mixed storage: Heat sources. Direct sunlight.
Special rules on packaging: Keep only in original container.

7.3 Specific end use(s)
This device is intended for In Vitro laboratory use. Use the product in accordance with the Good Laboratory Practice.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>European Union (IOELV)</th>
<th>Germany (AGS)</th>
<th>Great Britain (WEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphuric Acid</td>
<td>Long-term value: 0.05 mg/m³</td>
<td>Long-term value: 0.1 mg/m³ inhalable aerosol</td>
<td>Long-term value: 0.05* mg/m³</td>
</tr>
<tr>
<td>European Union (IOELV)</td>
<td>Long-term value: 0.05 mg/m³</td>
<td>Long-term value: 0.1 mg/m³ inhalable aerosol</td>
<td>Long-term value: 0.05* mg/m³</td>
</tr>
<tr>
<td>Germany (AGS)</td>
<td>Long-term value: 0.1 mg/m³ inhalable aerosol</td>
<td>Long-term value: 0.05* mg/m³</td>
<td>*mist: is defined as fraction</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Personal protective equipment: Avoid all unnecessary exposure.
Materials for protective clothing: Wear suitable protective clothing
Hand protection: Wear protective gloves
Eye protection: Chemical goggles or safety glasses
Respiratory protection: Respiratory protection equipment not absolutely necessary

Environmental exposure controls: Avoid release to the environment.
Other information: Do not eat, drink or smoke during use.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Liquid
Colour: Colourless
Odour: Odourless
Odour threshold: No data available
pH: < 1.0
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: Soluble in water
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2 Other information
No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Corrosive vapours. Product is not explosive.

10.2 Chemical stability
The product is stable until the expiration date shown on the box and on the labels when stored at 2 °C - 8 °C.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials
Strong acids. Strong bases.

10.6 Hazardous decomposition products
Thermal decomposition generates : Corrosive vapours.
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Revision date: 21/08/2017
Replaces version dated: 01/03/2017
SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity:** Not classified

**Skin corrosion/irritation:** Causes severe skin burns and eye damage. pH: ≤ 1.0

**Serious eye damage/irritation:** Causes serious eye damage. pH: ≤ 1.0

**Respiratory or skin sensitisation:** Not classified; based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Not classified; based on available data, the classification criteria are not met.

**Carcinogenicity:** Not classified; based on available data, the classification criteria are not met.

**Reproductive toxicity:** Not classified; based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):** Not classified; based on available data, the classification criteria are not met.

**Specific target organ toxicity (repeated exposure):** Not classified; based on available data, the classification criteria are not met.

**Aspiration hazard:** Not classified; based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No additional information available

### 12.2 Persistence and degradability

Not established.

### 12.3 Bioaccumulative potential

Not established.

### 12.4 Mobility in soil

No additional information available

### 12.5 Results of PBT and vPvB assessment

This mixture does not meet the PBT criteria of REACH regulation, annex XIII

This mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6 Other adverse effects

**Additional information:** Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Waste disposal recommendations:** Dispose in a safe manner in accordance with local/national regulations.

**Ecology - waste materials:** Avoid release to the environment.
### SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th></th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN No.</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2 UN Proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
<td>Dangerous for the environment: No</td>
</tr>
<tr>
<td></td>
<td>Marine pollutant: No</td>
<td>Marine pollutant: No</td>
<td>Marine pollutant: No</td>
<td>Marine pollutant: No</td>
</tr>
<tr>
<td></td>
<td>No supplementary information available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Special precautions for user

No data available

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

### SECTION 15: REGULATORY INFORMATION

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

##### 15.1.1 EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2 National regulations

**Germany**

VwVwS Annex reference: Water hazard class (WGK) 1, low hazard to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act (Twelfth Verordnung zur Durchführung des Bundes-Immissionschutzgesetzes (Störfall-Verordnung 12, BImSchV))

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Netherlands**

SZW-lijest van kankerverwekkende stoffen: None of the components are listed

SZW-lijest van mutagene stoffen: None of the components are listed

NIET-limiteervlie lijst van voor de voortplanting giftige stoffen-borstvoeding:

None of the components are listed

Revision date: 21/08/2017

Replaces version dated: 01/03/2017
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-vruchtbaarheid:
Chloracetamide is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen-ontwikkeling:
None of the components are listed

Denmark
Recommendations Danish Regulation: Young people below the age of 18 years are not allowed to use the product

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION


Other information: None.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>H- and EUH-statement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1A</td>
<td>Skin corrosion/irritation, Category 1A</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.