1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier
Trade name: ENZ CONJ, AB SOLN

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
</tr>
<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
<td>DECHIM0590</td>
</tr>
<tr>
<td>Zika Virus IgG capture ELISA</td>
<td>DEZVG0790</td>
</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses
Use of substance/mixture: in vitro diagnostics

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Supplier
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
24145 Kiel
Germany
info@demeditec.de

1.4. Emergency telephone number
Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)

2. HAZARDS IDENTIFICATION

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

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

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
EUH-statements: EUH208 – contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction
EUH210 – Safety data sheet available on request

2.3. Other hazards
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

3.2. Mixtures
Comments: Solvent mixture with additives

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

4. FIRST AID MEASURES

4.1. Description of the first aid measures
First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact: May cause slight irritation.
Symptoms/effects after eye contact: May cause eye irritation.

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.
6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions
Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections
Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool!
Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
In vitro diagnostics.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls:
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

Materials for protective clothing:
Use protective clothing.

Hand protection:
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,35</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

Eye protection:
Chemical goggles. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Filter AX (brown). EN 143.

Environmental exposure controls:
Avoid release to the environment.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: various
Odour: odourless
Odour threshold: no data available.
PpH: 6.5 – 7.5 (20°C)
Relative evaporation rate (butylacetate = 1) no data available
Melting point: not applicable
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): not applicable
Vapour pressure: no data available
Relative vapour density at 20°C: no data available
Relative density: no data available
Solubility: water: miscible
Log Pow: no data available
Viscosity, kinematic: no data available
Viscosity, dynamic: no data available
Explosive properties: product is not explosive
Oxidising properties: no data available
Explosive limits: no data available

9.2. Other information

Other properties: No additional information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity
No additional information available.

10.2. Chemical stability
No decomposition if stored normally.

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

10.4. Conditions to avoid
heat

10.5. Incompatible materials
No additional information available.

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

11.1. Information on toxicological effects

Acute toxicity (oral): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation: not classified (Based on available data, the classification criteria are not met)

ph: 6.5 – 7.5 (20°C)

Additional information: Repeated or prolonged skin contact may cause irritation

Serious eye damage/irritation: not classified (Based on available data, the classification criteria are not met)

ph: 6.5 – 7.5 (20°C)

Additional information: Slight eye irritant upon direct contact

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)

STOT-single exposure: not classified (Based on available data, the classification criteria are not met)

STOT-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)
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability
AB SOLN; ENZ CONJ
Persistence and degradability No additional information available

12.3. Bioaccumulative potential
AB SOLN; ENZ CONJ
Bioaccumulative potential No additional information available

12.4. Mobility in soil
AB SOLN; ENZ CONJ
Mobility in soil No additional information available

12.5. Results of PBT and vPvB assessment
AB SOLN; ENZ CONJ
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.
14. TRANSPORT INFORMATION
In accordance with ADR/RID/IMDG/IATA/AND

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2. UN proper shipping name</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<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>
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<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport
  Not applicable

- Transport by sea
  Not applicable

- Air transport
  Not applicable

- Inland waterway transport
  Not applicable

- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC code
Not applicable

15. REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.
SAFETY DATA SHEET
according to Regulation (EC) 1907/2006 (REACH)

Trade name: ELISA Kits (see below listing)
ENZ CONJ AB SOLN

Date of issue: 2017/09/18
Revision date: 2017/09/18
Supersedes: 2016/09/19
Version: 5.00

16. OTHER INFORMATION
Indication of changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1</td>
<td>colour</td>
<td>modified</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>additional information</td>
<td>added</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE Acute Toxicity Estimate
BCF Bioconcentration factor
CLP Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008
DMEL Derived Minimal Effect level
DNEL Derived-No Effect Level
DPD Dangerous Preparations Directive 1999/45/EC
DSD Dangerous Substances Directive 67/548/EEC
EC50 Median effective concentration
IARC International Agency for Research on Cancer
IATA International Air Transport Association
IMDG International Maritime Dangerous Goods
LC50 Median lethal concentration
LD50 Median lethal dose
LOAEL Lowest Observed Adverse Effect Level
NOAEC No-Observed Adverse Effect Concentration
NOAEL No-Observed Adverse Effect Level
NOEC No-Observed Effect Concentration
OECD Organisation for Economic Co-operation and Development
PBT Persistent Bioaccumulative Toxic
PNEC Predicted No-Effect Concentration
RID Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS Safety Data Sheet
STP Sewage treatment plant
TLM Median Tolerance Limit
vPvB Very Persistent and Very Bioaccumulative

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.
Department issuing data specification sheet: R&D department
Contact person: R&D department

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>EUH208</th>
<th>Contains. May produce an allergic reaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request</td>
</tr>
</tbody>
</table>

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. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier
Trade name: CAL B, CAL C, CONTROL low, CONTROL high, CAL A – E, Ag

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxocara canis IgG ELISA</td>
<td>DE0450</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgA ELISA</td>
<td>DE3809</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
<td>DE3912</td>
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<tr>
<td>Chlamydia pneumoniae IgM ELISA</td>
<td>DE3913</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgA ELISA</td>
<td>DE4160</td>
</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASCG0020</td>
</tr>
<tr>
<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
<td>DEBPTG0610</td>
</tr>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
</tr>
<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
<td>DECHIM0590</td>
</tr>
<tr>
<td>Entamoeba histolytica IgG ELISA</td>
<td>DEENTG0140</td>
</tr>
<tr>
<td>Leishmania infantum IgG ELISA</td>
<td>DEIG0310</td>
</tr>
<tr>
<td>Dengue Virus IgG ELISA</td>
<td>DENG0120</td>
</tr>
<tr>
<td>Dengue Virus IgM ELISA</td>
<td>DENM0120</td>
</tr>
<tr>
<td>Chagas (Trypanosoma cruzi) IgG ELISA</td>
<td>DENO0114</td>
</tr>
<tr>
<td>Schistosoma mansoni IgG ELISA</td>
<td>DESCHG0410</td>
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<tr>
<td>Strongyloides IgG/IgM ELISA</td>
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<td>Taenia solium IgG ELISA</td>
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<td>Trichinella spiralis IgG ELISA</td>
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<td>Zika Virus IgG capture ELISA</td>
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</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses
Use of substance/mixture: in vitro diagnostics

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Supplier
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
24145 Kiel
Germany
info@demeditec.de

1.4. Emergency telephone number
Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)
2. HAZARDS IDENTIFICATION

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

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

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
EUH-statements: EUH208 – contains 2-methyl-2H-isothiazol-3-one. May produce an
allergic reaction
EUH210 – Safety data sheet available on request

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

3.2. Mixtures
Comments: Solvent mixture with additives

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

4. FIRST AID MEASURES

4.1. Description of the first aid measures
First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical
attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for
breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of
water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue
rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT
induce vomiting. Call a doctor.

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

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

5.1. **Extinguishing media**
- Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media: No information available.

5.2. **Special hazards arising from the substance or mixture**

5.3. **Advice for firefighters**
- Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.

6. **ACCIDENTAL RELEASE MEASURES**

6.1. **Personal precautions, protective equipment and emergency procedures**

6.1.1. **For non-emergency personnel**
- Protective equipment: Concerning personal protective equipment to use, see section 8.
- Emergency procedures: Ventilate spillage area.

6.1.2. **For emergency responders**
- Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. **Environmental precautions**
- Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. **Methods and material for containment and cleaning up**
- Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4. **Reference to other sections**
- Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.
7. **HANDLING AND STORAGE**

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool!

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
In vitro diagnostics.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters
No additional information available

8.2. Exposure controls
**Appropriate engineering controls:**
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

**Hand protection:**
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant protective gloves</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,35</td>
<td></td>
<td>EN 374</td>
</tr>
</tbody>
</table>

**Eye protection:**
Chemical goggles. EN 166

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment. P2. EN 143

**Environmental exposure controls:**
Avoid release to the environment.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Physical state: liquid
Colour: yellow
Odour: odourless
Odour threshold: no data available.
pH: 6.3 – 7.5 (20°C)
Relative evaporation rate (butylacetate = 1) no data available
Melting point: not applicable
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): not applicable
Vapour pressure: no data available
Relative vapour density at 20°C: no data available
Relative density: no data available
Solubility: water: miscible
Log Pow: no data available
Viscosity, kinematic: no data available
Viscosity, dynamic: no data available
Explosive properties: product is not explosive
Oxidising properties: no data available
Explosive limits: no data available

9.2. Other information
Other properties: Ag: powder, white to slightly yellow/pink.

10. STABILITY AND REACTIVITY

10.1. Reactivity
No additional information available.

10.2. Chemical stability
No decomposition if stored normally.

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

10.4. Conditions to avoid
heat

10.5. Incompatible materials
No additional information available.

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

11.1. Information on toxicological effects

Acute toxicity (oral): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation: not classified (Based on available data, the classification criteria are not met)

pH: 6.3 – 7.5 (20°C)

Additional information: Repeated or prolonged skin contact may cause irritation

Serious eye damage/irritation: not classified (Based on available data, the classification criteria are not met)

pH: 6.3 – 7.5 (20°C)

Additional information: Slight eye irritant upon direct contact

Respiratory or skin sensitisation: not classified (Based on available data, the classification criteria are not met)

Additional information: May cause sensitisation of susceptible persons by skin contact.

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)

STOT-single exposure: not classified (Based on available data, the classification criteria are not met)

STOT-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)
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

<table>
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<th>CAL C</th>
<th>CONTROL low</th>
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<td></td>
<td>Persistence and degradability</td>
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12.3. Bioaccumulative potential

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<th>CAL B</th>
<th>CAL C</th>
<th>CONTROL low</th>
<th>CONTROL high</th>
<th>CAL A – E</th>
<th>Ag</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Bioaccumulative potential</td>
<td>No additional information available</td>
<td></td>
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</table>

12.4. Mobility in soil

<table>
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<tr>
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<th>CAL C</th>
<th>CONTROL low</th>
<th>CONTROL high</th>
<th>CAL A – E</th>
<th>Ag</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ecology - soil</td>
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12.5. Results of PBT and vPvB assessment

<table>
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<tr>
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<th>CONTROL high</th>
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<th>Ag</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.

European List of Waste (LoW) code: 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals
15 01 02 – plastic packaging
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>ADN</th>
<th>RID</th>
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<td>14.1. UN number</td>
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<td>14.4 Packing group</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<td>14.5. Environmental hazards</td>
<td>Not applicable</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC code
Not applicable

15. REGULATORY INFORMATION

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

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

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.
16. OTHER INFORMATION

Indication of changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
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</thead>
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</tr>
<tr>
<td>15.1</td>
<td>additional information</td>
<td>added</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate
- BCF: Bioconcentration factor
- CLP: Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008
- DMEL: Derived Minimal Effect level
- DNEL: Derived-No Effect Level
- DPD: Dangerous Preparations Directive 1999/45/EC
- EC50: Median effective concentration
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- IMDG: International Maritime Dangerous Goods
- LC50: Median lethal concentration
- LD50: Median lethal dose
- LOAEL: Lowest Observed Adverse Effect Level
- NOAEC: No-Observed Adverse Effect Concentration
- NOAEL: No-Observed Adverse Effect Level
- NOEC: No-Observed Effect Concentration
- OECD: Organisation for Economic Co-operation and Development
- PBT: Persistent Bioaccumulative Toxic
- PNEC: Predicted No-Effect Concentration
- RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
- SDS: Safety Data Sheet
- STP: Sewage treatment plant
- TLM: Median Tolerance Limit
- vPvB: Very Persistent and Very Bioaccumulative

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.
Department issuing data specification: R&D department
Contact person: R&D department

Full text of H- and EUH-statements:

- EUH208: Contains. May produce an allergic reaction
- EUH210: Safety data sheet available on request

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. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

Trade name: ENZ CONJ

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxocara canis IgG ELISA</td>
<td>DE0450</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgA ELISA</td>
<td>DE3809</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
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<td>Chlamydia pneumoniae IgM ELISA</td>
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<td>Chlamydia pneumoniae IgA ELISA</td>
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</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASCG0020</td>
</tr>
<tr>
<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
<td>DEBPTG0810</td>
</tr>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
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<tr>
<td>Chikungunya Virus IgM μ-capture ELISA</td>
<td>DECHIM0590</td>
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<tr>
<td>Entamoeba histolytica IgG ELISA</td>
<td>DEENTG0140</td>
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<tr>
<td>Leishmania infantum IgG ELISA</td>
<td>DEIG0310</td>
</tr>
<tr>
<td>Dengue Virus IgG ELISA</td>
<td>DENG0120</td>
</tr>
<tr>
<td>Dengue Virus IgM ELISA</td>
<td>DENM0120</td>
</tr>
<tr>
<td>Chagas (Trypanosoma cruzi) IgG ELISA</td>
<td>DENO0114</td>
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<tr>
<td>Schistosoma mansoni IgG ELISA</td>
<td>DESCHG0410</td>
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<tr>
<td>Strongyloides IgG/IgM ELISA</td>
<td>DESTRO0690</td>
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<tr>
<td>Taenia solium IgG ELISA</td>
<td>DETAEG0420</td>
</tr>
<tr>
<td>Trichinella spiralis IgG ELISA</td>
<td>DETRIG0480</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

Use of substance/mixture: in vitro diagnostics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
24145 Kiel
Germany
info@dedmitec.de

1.4. Emergency telephone number

Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)
2. HAZARDS IDENTIFICATION

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

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

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

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

4. FIRST AID MEASURES

4.1. Description of the first aid measures
First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact: May cause skin irritation.
Symptoms/effects after eye contact: May cause eye irritation

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

5.1. Extinguishing media
Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections
Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.
7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in dry, cool, well-ventilated area.
Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
In vitro diagnostics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls:
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

Hand protection:
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,35</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

Eye protection:
Chemical goggles. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. P2. EN 143.

Environmental exposure controls:
Avoid release to the environment.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
- Physical state: liquid
- Colour: various
- Odour: characteristic
- Odour threshold: no data available.
- pH: 7 – 7.4 (20°C)
- Relative evaporation rate (butylacetate = 1): no data available
- Melting point: not applicable
- 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): not applicable
- Vapour pressure: no data available
- Relative vapour density at 20°C: no data available
- Relative density: no data available
- Solubility: water: miscible
- Log Pow: no data available
- Viscosity, kinematic: no data available
- Viscosity, dynamic: no data available
- Explosive properties: product is not explosive
- Oxidising properties: no data available
- Explosive limits: no data available

9.2. Other information
- VOC content: 0 %

10. STABILITY AND REACTIVITY

10.1. Reactivity
No additional information available.

10.2. Chemical stability
No decomposition if stored normally.

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

10.4. Conditions to avoid
- heat

10.5. Incompatible materials
No additional information available.

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

11.1. Information on toxicological effects

Acute toxicity (oral): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation: not classified (Based on available data, the classification criteria are not met)

Additional information: Repeated or prolonged skin contact may cause irritation

ph: 7 – 7.4 (20°C)

Serious eye damage/irritation: not classified (Based on available data, the classification criteria are not met)

Additional information: Slight eye irritant upon direct contact

ph: 7 – 7.4 (20°C)

Respiratory or skin sensitisation: not classified (Based on available data, the classification criteria are not met)

Additional information: May cause sensitisation of susceptible persons by skin contact.

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)

STOT-single exposure: not classified (Based on available data, the classification criteria are not met)

STOT-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)
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability
Persistence and degradability: No additional information available

12.3. Bioaccumulative potential
Bioaccumulative potential: No additional information available

12.4. Mobility in soil
Ecology - soil: No additional information available

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

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.

European List of Waste (LoW) code: 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals
15 01 02 – plastic packaging
14. TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<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>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC code
Not applicable

15. REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.
## 16. OTHER INFORMATION

**Indication of changes**

<table>
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</tr>
</tbody>
</table>

### Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
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<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008</td>
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<tr>
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<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>DPD</td>
<td>Dangerous Preparations Directive 1999/45/EC</td>
</tr>
<tr>
<td>DSD</td>
<td>Dangerous Substances Directive 67/548/EEC</td>
</tr>
<tr>
<td>EC50</td>
<td>Median effective concentration</td>
</tr>
<tr>
<td>IARC</td>
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<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
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<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
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<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>TLM</td>
<td>Median Tolerance Limit</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.

Department issuing data specification sheet: R&D department

Contact person: R&D department

Full text of H- and EUH-statements:

- **EUH208** Contains. May produce an allergic reaction
- **EUH210** Safety data sheet available on request

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 (EC) 1907/2006 (REACH)

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1. Product Identifier

**Trade name:** ELISA Kits (see first page)

**STOP SOLN**

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

#### 1.2.1. Relevant identified uses

Use of substance/mixture: in vitro diagnostics

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Demeditec Diagnostics GmbH

Lise-Meitner-Str. 2

24145 Kiel

Germany

[info@demeditec.de](mailto:info@demeditec.de)

### 1.4. Emergency telephone number

Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)

---

<table>
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<th>Product name</th>
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<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
<td>DE3912</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgM ELISA</td>
<td>DE3913</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgA ELISA</td>
<td>DE4160</td>
</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASC0020</td>
</tr>
<tr>
<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
<td>DEBPTG0810</td>
</tr>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
</tr>
<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
<td>DECHIM0590</td>
</tr>
<tr>
<td>Entamoeba histolytica IgG ELISA</td>
<td>DEENTG0140</td>
</tr>
<tr>
<td>Leishmania infantum IgG ELISA</td>
<td>DEIG0310</td>
</tr>
<tr>
<td>Dengue Virus IgG ELISA</td>
<td>DENG0120</td>
</tr>
<tr>
<td>Dengue Virus IgM ELISA</td>
<td>DENM0120</td>
</tr>
<tr>
<td>Chagas (Trypanosoma cruzi) IgG ELISA</td>
<td>DENO0114</td>
</tr>
<tr>
<td>Schistosoma mansoni IgG ELISA</td>
<td>DESCHG0410</td>
</tr>
<tr>
<td>Strongyloides IgG/IgM ELISA</td>
<td>DESTRO0690</td>
</tr>
<tr>
<td>Taenia solium IgG ELISA</td>
<td>DETAEQ0420</td>
</tr>
<tr>
<td>Trichinella spiralis IgG ELISA</td>
<td>DETRIG0480</td>
</tr>
<tr>
<td>Zika Virus IgG capture ELISA</td>
<td>DEZVG0790</td>
</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>
2. HAZARDS IDENTIFICATION

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

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

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
EUH-statements: EUH210 – Safety data sheet available on request

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

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>&lt; 3</td>
<td>Skin. Corr. 1A, H314</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>
<tr>
<td></td>
<td>(REACH-no.) 01-2119458838-20-xxxx</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid</td>
<td>(CAS-No.) 7664-93-9</td>
<td>(5=&lt;C &lt;15) Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td>(EC-No.) 231-639-5</td>
<td>(5=&lt;C &lt;15) Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td>(EC Index-No.) 016-020-00-8</td>
<td>(C&gt;= 15) Skin Corr. 1A, H314</td>
</tr>
<tr>
<td></td>
<td>(REACH-no.) 01-2119458838-20-xxxx</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16
4. FIRST AID MEASURES

4.1. Description of the first aid measures
In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact: May cause slight irritation.
Symptoms/effects after eye contact: May cause eye irritation.

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition products in case of fire: release of harmful/irritant gases/vapours. Sulphur oxides.

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.
6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry, cool, well-ventilated area.

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

In vitro diagnostics.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th></th>
<th>EU</th>
<th>Local name</th>
<th>Sulphuric acid (mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>EU</td>
<td>IOELV TWA (mg/m³)</td>
<td>0.05 mg/m³</td>
</tr>
<tr>
<td></td>
<td>EU</td>
<td>Regulatory reference</td>
<td>COMMISSION DIRECTIVE 2009/161/EU</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>United Kingdom</td>
<td>Local name</td>
<td>Sulphuric acid</td>
</tr>
<tr>
<td></td>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>0.05 mg/m³ mist</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>United Kingdom</td>
<td>Remark (WEL)</td>
<td>The mist is defined as the thoracic fraction</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>United Kingdom</td>
<td>Regulatory reference</td>
<td>EH40. HSE</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

**Appropriate engineering controls:**
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

**Materials for protective clothing:**
Use protective clothing

**Hand protection:**
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation (min)</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant protective gloves</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0.35</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

**Eye protection:**
Chemical goggles. EN 166

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
In case of insufficient ventilation, wear respiratory protection. Combination filter: ABEK. EN 143.

**Environmental exposure controls:**
Avoid release to the environment.
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
Relative evaporation rate (butylacetate = 1) no data available
Melting point: not applicable
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): not applicable
Vapour pressure: no data available
Relative vapour density at 20°C: no data available
Relative density: no data available
Solubility: water: miscible
Log Pow: no data available
Viscosity, kinematic: no data available
Viscosity, dynamic: no data available
Explosive properties: product is not explosive
Oxidising properties: no data available
Explosive limits: no data available

9.2. Other information

Other properties: this product is corrosive to metals.
Additional information: may be corrosive to metals.

10. STABILITY AND REACTIVITY

10.1. Reactivity
No additional information available.

10.2. Chemical stability
No decomposition if stored normally.

10.3. Possibility of hazardous reactions
Reacts violently with: metals

10.4. Conditions to avoid
heat

10.5. Incompatible materials
metals.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be pro-
duced.
11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td>ph: 1</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td>ph: 1</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LOAEC (inhalation, rat, vapour, 90 days)</th>
<th>Aspiration hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid (7664-93-9)</td>
<td>0.3 mg/m³ (6h/d: 28 d; (OECD 412 method), Aerosol)</td>
<td>not classified (Based on available data, the classification criteria are not met)</td>
</tr>
</tbody>
</table>
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology – general: before neutralisation, the product may represent a danger to aquatic organisms
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Stopping Solution</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid (7664-93-9)</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Stopping Solution</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid (7664-93-9)</td>
<td>not relevant.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Stopping Solution</th>
<th>Ecology - soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid (7664-93-9)</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Stopping Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
</tr>
<tr>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.

European List of Waste (LoW) code: 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals
15 01 02 – plastic packaging
**SAFETY DATA SHEET**
according to Regulation (EC) 1907/2006 (REACH)

**Trade name:** ELISA Kits (see first page)

Date of issue: 2017/09/18
Revision date: 2017/09/18
Supersedes: 2016/09/19
Version: 7.00

---

### 14. TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</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>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

---

### 14.6. Special precautions for user

- Overland transport: Not applicable
- Transport by sea: Not applicable
- Air transport: Not applicable
- Inland waterway transport: Not applicable
- Rail transport: Not applicable

---

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC code

Not applicable

---

### 15. REGULATORY INFORMATION

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

**15.1.1. EU-Regulations**

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:

3 Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008

<table>
<thead>
<tr>
<th>Hazard Class(es)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>sulphuric acid</td>
</tr>
</tbody>
</table>

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

<table>
<thead>
<tr>
<th>Hazard Class(es)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>sulphuric acid</td>
</tr>
</tbody>
</table>

Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances

**15.1.2. National regulations**

No additional information available

---

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

**For the following substances of this mixture a chemical safety assessment has been carried out**

- sulphuric acid
### 16. OTHER INFORMATION

Indication of changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.2</td>
<td>additional information</td>
<td>added</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>additional information</td>
<td>added</td>
<td></td>
</tr>
</tbody>
</table>

### Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>ADR European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>DPD</td>
<td>Dangerous Preparations Directive 1999/45/EC</td>
</tr>
<tr>
<td>DSD</td>
<td>Dangerous Substances Directive 67/548/EEC</td>
</tr>
<tr>
<td>EC50</td>
<td>Median effective concentration</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No-Observed Adverse Effect Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>TLM</td>
<td>Median Tolerance Limit</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

### Data sources:

- MSDS of the supplier. IUCLID-Dossier from ECHA.

### Department issuing data specification

- R&D department

### Contact person:

- R&D department

### Full text of H- and EUH-statements:

- Skin Corr. 1A: Skin corrosion/irritation, Category 1A
- EUH208: Causes severe skin burns and eye damage.
- EUH210: Safety data sheet available on request

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. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1. Product Identifier

**Trade name:** SUB TMB  
**Products:**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxocara canis IgG ELISA</td>
<td>DE0450</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgA ELISA</td>
<td>DE3809</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
<td>DE3912</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgM ELISA</td>
<td>DE3913</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgA ELISA</td>
<td>DE4160</td>
</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASCG0020</td>
</tr>
<tr>
<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
<td>DEBPTG0610</td>
</tr>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
</tr>
<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
<td>DECHIM0590</td>
</tr>
<tr>
<td>Entamoeba histolytica IgG ELISA</td>
<td>DEENTG0140</td>
</tr>
<tr>
<td>Leishmania infantum IgG ELISA</td>
<td>DEIG0310</td>
</tr>
<tr>
<td>Dengue Virus IgG ELISA</td>
<td>DENG0120</td>
</tr>
<tr>
<td>Dengue Virus IgM ELISA</td>
<td>DENM0120</td>
</tr>
<tr>
<td>Chagas (Trypanosoma cruzi) IgG ELISA</td>
<td>DENO0114</td>
</tr>
<tr>
<td>Schistosoma mansoni IgG ELISA</td>
<td>DESCHG0410</td>
</tr>
<tr>
<td>Strongyloides IgG/IgM ELISA</td>
<td>DESTRU0690</td>
</tr>
<tr>
<td>Taenia solium IgG ELISA</td>
<td>DETAE90420</td>
</tr>
<tr>
<td>Trichinella spiralis IgG ELISA</td>
<td>DETRIG0480</td>
</tr>
<tr>
<td>Zika Virus IgG capture ELISA</td>
<td>DEZVG0790</td>
</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>

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

#### 1.2.1. Relevant identified uses

Use of substance/mixture: Substrate solution for immunoassays

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Demeditec Diagnostics GmbH  
Lise-Meitner-Str. 2  
24145 Kiel  
Germany  
info@demeditec.de

### 1.4. Emergency telephone number

Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)
2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Reproductive toxicity, Category 1B  H360D

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effect
May damage the unborn child.

2.2. Label elements

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

Hazard pictograms (CLP):
Signal word (CLP)   Danger
Hazard statements (CLP) H360D – May damage the unborn child.
Precautionary statements (CLP) P201 – Obtain special instructions before use.
P280 – Wear protective clothing, protective gloves, eye protection, face protection.
P308+P313 – IF exposed or concerned: Get medical advice.

Extra phrases Restricted to professional users

2.3. Other hazards

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

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>N-methyl-2-pyrrolidone</td>
<td>(CAS-No.) 872-50-4 (EC-No.) 212-828-1 (EC Index-No.) 606-021-00-7 (REACH-no.) 2119472430-46-xxxx</td>
<td>&lt; 5</td>
<td>Repr. 1B, H360D Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-methyl-2-pyrrolidone</td>
<td>(CAS-No.) 872-50-4 (EC-No.) 212-828-1 (EC Index-No.) 606-021-00-7 (REACH-no.) 2119472430-46-xxxx</td>
<td>(C&gt;= 10) STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16
4. FIRST AID MEASURES

4.1. Description of the first aid measures
First-aid measures general: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after skin contact: May cause slight irritation.
Symptoms/effects after eye contact: May cause eye irritation.

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media
 Unsuitable extinguishing media: No information available. Strong water jet.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.
6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Notify authorities if product enters sewers or public waters. Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.

Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry place. Store in a closed container. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store locked up. Store in a well-ventilated place. Keep cool.

Storage temperature: 2-8°C

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

Storage area: Protect from light; Protect from moisture.

7.3. Specific end use(s)

No additional information available.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>EU</th>
<th>Local name</th>
<th>n-Methyl-2-pyrrolidone</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU</td>
<td>IOELV TWA (mg/m³)</td>
<td>40 mg/m³</td>
</tr>
<tr>
<td>EU</td>
<td>IOELV TWA (ppm)</td>
<td>10 ppm</td>
</tr>
<tr>
<td>EU</td>
<td>IOELV STEL (mg/m³)</td>
<td>80 mg/m³</td>
</tr>
<tr>
<td>EU</td>
<td>IOELV STEL (ppm)</td>
<td>20 ppm</td>
</tr>
<tr>
<td>EU</td>
<td>Notes</td>
<td>skin</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>Regulatory reference</td>
<td>COMMISSION DIRECTIVE 2009/161/EU</td>
</tr>
</tbody>
</table>

**United Kingdom**

- **WEL TWA (mg/m³)**: 40 mg/m³
- **WEL TWA (ppm)**: 10 ppm
- **WEL STEL (mg/m³)**: 80 mg/m³
- **WEL STEL (ppm)**: 20 ppm
- ** Remark (WEL)**: sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)

**Regulatory reference**

- **United Kingdom**: EH40, HSE

8.2. Exposure controls

**Appropriate engineering controls:**
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

**Hand protection:**
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant protective gloves</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,28</td>
<td>EN 374</td>
<td></td>
</tr>
<tr>
<td>Chemically resistant protective gloves</td>
<td>Natural rubber</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,22</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

**Eye protection:**
Safety goggles recommended during refilling. EN 166

**Skin and body protection:**
Wear suitable protective clothing

**Respiratory protection:**
In case of inadequate ventilation wear respiratory protection. EN 143.

**Environmental exposure controls:**
Avoid release to the environment.
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>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>3.6 – 3.8 (20 °C)</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate = 1)</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100 °C</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>not applicable</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>Density</td>
<td>1 g/cm³ (20 °C)</td>
</tr>
<tr>
<td>Solubility</td>
<td>water: 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>product is not explosive</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

Other properties: No additional information available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available.

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Water, humidity. All heat sources, including direct sunlight

10.5. Incompatible materials


10.6 Hazardous decomposition products

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

11.1. Information on toxicological effects

Acute toxicity (oral): not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal): not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation): not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation: not classified (Based on available data, the classification criteria are not met)
  ph: 3.6 – 3.8 (20 °C)
Additional information: Repeated or prolonged skin contact may cause irritation
Serious eye damage/irritation: not classified (Based on available data, the classification criteria are not met)
  ph: 3.6 – 3.8 (20 °C)
Additional information: Slight eye irritant upon direct contact
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: May damage the unborn child.
STOT-single exposure: not classified (Based on available data, the classification criteria are not met)
STOT-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)
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

| TMB Substrate Solution | Persistence and degradability | No additional information available |

12.3. Bioaccumulative potential

| TMB Substrate Solution | Bioaccumulative potential | No additional information available |

12.4. Mobility in soil

| TMB Substrate Solution | Ecology - soil | No additional information available |

12.5. Results of PBT and vPvB assessment

| TMB Substrate Solution | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |

| TMB Substrate Solution | This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

Component

| N-methyl-2-pyrrolidone (872-50-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |

| N-methyl-2-pyrrolidone (872-50-4) | This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.

European List of Waste (LoW) code: 18 01 07 – chemicals other than those mentioned in 18 01 06 18 02 06 – chemicals other than those mentioned in 18 02 05 15 02 03 – absorbents, filter materials, wiping clothes and protective clothing other than those mentioned in 15 02 02

HP Code: HP10 – “Toxic for reproduction:” waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring.
14. TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</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>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC code
Not applicable
15. REGULATORY INFORMATION

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No. 1907/2006:

- 3 Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008: N-methyl-2-pyrrolidone
- 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 TMB Substrate Solution – N-methyl-2-pyrrolidone
- 30 Substances which appear in Part 3 of Annex VI to Regulation (EC) No. 1272/2008 classified as Toxic to Reproduction category 1A or 1B (Table 3.1) or Toxic to Reproduction category 1 or 2 (Table 3.2) and listed as follows: Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 N-methyl-2-pyrrolidone

Contains no substance on the REACH candidate list in concentration ≥ 0.1 % or with a lower specific limit: N-methyl-2-pyrrolidone (EC 212-828-1, CAS 872-50-4).

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations: Take note of Directive 92/85/EC on the safety and health of pregnant workers at work. Take note of Directive 94/33/EC on the protection of young people at work.

15.1.2. National regulations

United Kingdom

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.
16. OTHER INFORMATION

Indication of changes:
General revision

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Classification according to Regulation (EC) No. 1272/2008 (CLP)</td>
<td>modified</td>
<td></td>
</tr>
<tr>
<td>2.2</td>
<td>Specific concentration limits (CLP)</td>
<td>modified</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>DPD</td>
<td>Dangerous Preparations Directive 1999/45/EC</td>
</tr>
<tr>
<td>DSD</td>
<td>Dangerous Substances Directive 67/548/EEC</td>
</tr>
<tr>
<td>EC50</td>
<td>Median effective concentration</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No-Observed Adverse Effect Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>TLM</td>
<td>Median Tolerance Limit</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.
Department issuing data specification sheet: R&D department
Contact person: R&D department
Full text of H- and EUH-statements:

| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Repr. 1B | Reproductive toxicity, Category 1B |
| 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 |
| H360D | May damage the unborn child |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

| Repr. 1B | H360D | Expert judgment |

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. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: WASH SOLN

Products:

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxocara canis IgG ELISA</td>
<td>DE0450</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgA ELISA</td>
<td>DE3809</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
<td>DE3912</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgM ELISA</td>
<td>DE3913</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgA ELISA</td>
<td>DE4160</td>
</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASCG0020</td>
</tr>
<tr>
<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
<td>DEBPTG0610</td>
</tr>
<tr>
<td>Chikungunya Virus IgG capture ELISA</td>
<td>DECHIG0590</td>
</tr>
<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
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</tr>
<tr>
<td>Entamoeba histolytica IgG ELISA</td>
<td>DEENTG0140</td>
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<tr>
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<td>Dengue Virus IgG ELISA</td>
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<td>DENM0120</td>
</tr>
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<td>DEENO0114</td>
</tr>
<tr>
<td>Schistosoma mansoni IgG ELISA</td>
<td>DESCHG0410</td>
</tr>
<tr>
<td>Strongyloides IgG/IgM ELISA</td>
<td>DESTRO0690</td>
</tr>
<tr>
<td>Taenia solium IgG ELISA</td>
<td>DETAEG0420</td>
</tr>
<tr>
<td>Trichinella spiralis IgG ELISA</td>
<td>DETRIG0480</td>
</tr>
<tr>
<td>Zika Virus IgG capture ELISA</td>
<td>DEZVG0790</td>
</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>

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

1.2.1 Relevant identified uses

Use of the substance/mixture: In vitro diagnostics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
24145 Kiel
Germany
info@demeditec.de

1.4. Emergency telephone number

Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)
2. HAZARDS IDENTIFICATION

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

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.

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

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

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

3.2. Mixtures
Comments: Aqueous solution of special active agents
The mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

4. SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/ effects after skin contact: May cause slight irritation.
Symptoms/ effects after eye contact: May cause eye irritation.

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

5.1. Extinguishing media
Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition products in release of harmful/irritant gases/vapours: Nitrogen oxides.

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions
Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal.

Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections
Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.
SAFETY DATA SHEET
according to Regulation (EC) 1907/2006 (REACH)

Trade name: ELISA Kits (see first page)
Date of issue: 2017/09/22
Revision date: 2017/09/22
Supersedes: 2016/09/19
Version: 7.00

7. SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes.
Wear Personal protective equipment.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in well-ventilated place. Keep cool.
Information about storage in one Common storage facility
Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
In vitro diagnostics.

8. SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters
No additional information available.

8.2. Exposure controls
Appropriate engineering controls:
Keep workplace clean and tidy as much as possible. Ensure good ventilation of the work station.

Hand protection:
Chemically resistant protective gloves. Choosing the proper glove is decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,35</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

Eye protection:
Chemical goggles. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. P1. EN 143.

Environmental exposure controls:
Avoid release to the environment.
9. 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 – 7.4 (20 C)</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</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>Not applicable</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>Water: Miscible</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>Product is not explosive.</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

VOC content: 0 %

10. SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No additional information available.

10.2. Chemical stability

No decomposition if stored normally.

10.3. Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

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

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Skin corrosion/ irritation</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td></td>
<td>pH: 7 – 7.4 (20 °C)</td>
<td></td>
</tr>
<tr>
<td>Additional information:</td>
<td>Repeated or prolonged skin contact may cause irritation</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/ irritation</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td></td>
<td>pH: 7 – 7.4 (20 °C)</td>
<td></td>
</tr>
<tr>
<td>Additional information:</td>
<td>Slight eye irritant upon direct contact.</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
<td>(Based on available data, the classification criteria are not met)</td>
</tr>
</tbody>
</table>
12. SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology – general: Before neutralization, the product may represent a danger to aquatic organisms.
Acute aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability
Persistence and degradability: No additional information available.

12.3. Bioaccumulative potential
Bioaccumulative potential: No additional information available.

12.4. Mobility in soil
Ecology - soil: No additional information available.

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

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Disposal must be done according to official regulations. European waste Catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Product/ Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.

European List of Waste (LoW) code: 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals
15 01 02 – plastic packaging
### 14. SECTION 14: TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>AND</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. <strong>UN number</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2. <strong>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>14.3. <strong>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>14.4. <strong>Packing group</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. <strong>Environmental hazards</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**No supplementary information available**

**14.6. Special precautions for user**
- Overland transport: Not applicable
- Transport by sea: Not applicable
- Air transport: Not applicable
- Inland waterway transport: Not applicable
- Rail transport: Not applicable

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

### 15. 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 REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content: 0 %
Other information, restriction and prohibition regulations:

A safety data sheet is not required for this product under Article 31 of REACH. This product Safety Information Sheet has been created on a voluntary basis.

**15.1.2. National regulations**
No additional information available

**15.2. Chemical safety assessment**
No chemical safety assessment has been carried out
SAFETY DATA SHEET
generated according to Regulation (EC) 1907/2006 (REACH)

Trade name: ELISA Kits (see first page)
WASH®
Date of issue: 2017/09/22
Revision date: 2017/09/22
Supersedes: 2016/09/19
Version: 7.00

16. SECTION 16: OTHER INFORMATION

Indication of changes:

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.1</td>
<td>Colour</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>9.2</td>
<td>VOC – Swiss ordinance</td>
<td>Modified</td>
<td></td>
</tr>
<tr>
<td>15.1</td>
<td>Additional information</td>
<td>Added</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>DPD</td>
<td>Dangerous Preparations Directive 1999/45/EC</td>
</tr>
<tr>
<td>DSD</td>
<td>Dangerous Substances Directive 67/548/EEC</td>
</tr>
<tr>
<td>EC50</td>
<td>Median effective concentration</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No-Observed Adverse Effect Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>OECD</td>
<td>Organization for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>TLM</td>
<td>Median Tolerance Limit</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.
Department issuing data specification: R&D department
Contact person: R&D department

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. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product Identifier

Trade name: SAM DIL, CAL A

Products:

<table>
<thead>
<tr>
<th>Product name</th>
<th>Cat.-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxocara canis IgG ELISA</td>
<td>DE0450</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgA ELISA</td>
<td>DE3809</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgG ELISA</td>
<td>DE3810</td>
</tr>
<tr>
<td>Chlamydia trachomatis IgM ELISA</td>
<td>DE3811</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgG ELISA</td>
<td>DE3912</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgM ELISA</td>
<td>DE3913</td>
</tr>
<tr>
<td>Chlamydia pneumoniae IgA ELISA</td>
<td>DE4160</td>
</tr>
<tr>
<td>Ascaris lumbricoides IgG ELISA</td>
<td>DEASCG0020</td>
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<td>Bordetella pertussis toxin (PT) IgG ELISA</td>
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<tr>
<td>Chikungunya Virus IgM µ-capture ELISA</td>
<td>DECHIM0590</td>
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<tr>
<td>Entamoeba histolytica IgG ELISA</td>
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</tr>
<tr>
<td>Leishmania infantum IgG ELISA</td>
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<tr>
<td>Dengue Virus IgG ELISA</td>
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<td>Chagas (Trypanosoma cruzi) IgG ELISA</td>
<td>DeNO0114</td>
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<tr>
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<td>DETRIG0480</td>
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<tr>
<td>Zika Virus IgG capture ELISA</td>
<td>DEZVG0790</td>
</tr>
<tr>
<td>Zika Virus IgM µ-capture ELISA</td>
<td>DEZVM0790</td>
</tr>
</tbody>
</table>

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

1.2.1. Relevant identified uses

Use of substance/mixture: in vitro diagnostics

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Demeditec Diagnostics GmbH
Lise-Meitner-Str. 2
24145 Kiel
Germany
info@demeditec.de

1.4. Emergency telephone number

Emergency number: +49 (0)431/71922-0 (available during business hours from 8 a.m. to 4:30 p.m.)
2. HAZARDS IDENTIFICATION

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

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

2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
EUH-statements: EUH208 – contains 5-chloro-2-methyl-2H-isothiazol-3-one. May produce an allergic reaction
EUH210 – Safety data sheet available on request

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable

3.2. Mixtures
Comments: Solvent mixture with additives

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

4. FIRST AID MEASURES

4.1. Description of the first aid measures
First-aid measures general: In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Take off contaminated clothing. Wash skin with plenty of water. Cover wounds with sterile bandage. Get medical advice if skin irritation persists.
First-aid measures after eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
First-aid measures after ingestion: Rinse mouth out with water. Drink plenty of water. Do NOT induce vomiting. Call a doctor.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects: No additional information available.
Symptoms/effects after skin contact: May cause slight irritation.
Symptoms/effects after eye contact: May cause eye irritation.

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

5.1. Extinguishing media
Suitable extinguishing media: Not combustible. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: No information available.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information: Do not allow run-off from the fire-fighting to enter drains or water courses. Disposal must be done according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Protective equipment: Concerning personal protective equipment to use, see section 8.
Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions
Avoid sub-soil penetration. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material, e.g.: sand, saw dust. Wash away remainder with plenty of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information: Disposal must be done according to official regulations.

6.4. Reference to other sections
Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.
7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool!

Information about storage in one common storage facility: Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)
In vitro diagnostics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
No additional information available

8.2. Exposure controls

Appropriate engineering controls:
Keep workplace clean and tidy as much as possible. Ensure good ventilation of work station.

Hand protection:
Chemically resistant protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Permeation</th>
<th>Thickness (mm)</th>
<th>Penetration</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemically resistant protective gloves</td>
<td>Nitrile rubber (NBR)</td>
<td>6 (&gt; 480 minutes)</td>
<td>0,35</td>
<td>EN 374</td>
<td></td>
</tr>
</tbody>
</table>

Eye protection:
Chemical goggles. EN 166

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. P2. EN 143.

Environmental exposure controls:
Avoid release to the environment.
9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
- Physical state: liquid
- Colour: various
- Odour: odourless
- Odour threshold: no data available.
- pH: 7 – 7.4 (20°C)
- Relative evaporation rate (butylacetate = 1): no data available
- Melting point: not applicable
- 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): not applicable
- Vapour pressure: no data available
- Relative vapour density at 20°C: no data available
- Relative density: no data available
- Solubility: water: miscible
- Log Pow: no data available
- Viscosity, kinematic: no data available
- Viscosity, dynamic: no data available
- Explosive properties: product is not explosive
- Oxidising properties: no data available
- Explosive limits: no data available

9.2. Other information
- VOC content: 0 %

10. STABILITY AND REACTIVITY

10.1. Reactivity
- No additional information available.

10.2. Chemical stability
- No decomposition if stored normally.

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

10.4. Conditions to avoid
- heat

10.5. Incompatible materials
- No additional information available.

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

11.1. Information on toxicological effects

Acute toxicity (oral): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): not classified (Based on available data, the classification criteria are not met)

Skin corrosion/irritation: not classified (Based on available data, the classification criteria are not met)
  ph: 7 – 7.4 (20°C)
  Additional information: Repeated or prolonged skin contact may cause irritation

Serious eye damage/irritation: not classified (Based on available data, the classification criteria are not met)
  ph: 7 – 7.4 (20°C)
  Additional information: Slight eye irritant upon direct contact

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)

STOT-single exposure: not classified (Based on available data, the classification criteria are not met)

STOT-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)
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology – general: May cause pH changes in aqueous ecological systems.
Acute aquatic toxicity: not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity: not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability
<table>
<thead>
<tr>
<th>SAM DIL</th>
<th>CAL A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM DIL</td>
<td>CAL A</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No additional information available</td>
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12.3. Bioaccumulative potential
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<thead>
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<th>SAM DIL</th>
<th>CAL A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM DIL</td>
<td>CAL A</td>
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<tr>
<td>Bioaccumulative potential</td>
<td>No additional information available</td>
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12.4. Mobility in soil
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</thead>
<tbody>
<tr>
<td>SAM DIL</td>
<td>CAL A</td>
</tr>
<tr>
<td>Ecology - soil</td>
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12.5. Results of PBT and vPvB assessment
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<tbody>
<tr>
<td>SAM DIL</td>
<td>CAL A</td>
</tr>
<tr>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
<td></td>
</tr>
<tr>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
<td></td>
</tr>
</tbody>
</table>

12.6. Other adverse effects
Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste treatment methods: Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.
Product/Packaging disposal recommendations: Dirty containers cannot be handled as normal waste. Disposal must be done according to official regulations.
European List of Waste (LoW) code: 16 05 06* - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals
15 01 02 – plastic packaging

15 01 02 – plastic packaging
14. TRANSPORT INFORMATION

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

<table>
<thead>
<tr>
<th>Unnumber</th>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<tbody>
<tr>
<td>14.1. UN number</td>
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<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
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<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>
<td>Not applicable</td>
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<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>
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<td>14.4 Packing group</td>
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<td>Not applicable</td>
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<tr>
<td>14.5. Environmental hazards</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

14.6. Special precautions for user
- Overland transport
  Not applicable
- Transport by sea
  Not applicable
- Air transport
  Not applicable
- Inland waterway transport
  Not applicable
- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC code
Not applicable

15. REGULATORY INFORMATION

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

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

VOC content: 0 %

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.
SAFETY DATA SHEET
according to Regulation (EC) 1907/2006 (REACH)

Trade name: ELISA Kits (see first page)
SAM DIL CAL A

Date of issue: 2017/09/18
Revision date: 2017/09/18
Supersedes: 2016/09/19
Version: 7.00

16. OTHER INFORMATION

Indication of changes

<table>
<thead>
<tr>
<th>Section</th>
<th>Changed item</th>
<th>Change</th>
<th>Comments</th>
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<tbody>
<tr>
<td>9.1</td>
<td>pH</td>
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<tr>
<td>9.2</td>
<td>VOC – Swiss ordinance</td>
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<tr>
<td>15.1</td>
<td>Additional information</td>
<td>added</td>
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Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No. 1272/2008</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>DPD</td>
<td>Dangerous Preparations Directive 1999/45/EC</td>
</tr>
<tr>
<td>DSD</td>
<td>Dangerous Substances Directive 67/548/EEC</td>
</tr>
<tr>
<td>EC50</td>
<td>Median effective concentration</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Median lethal concentration</td>
</tr>
<tr>
<td>LD50</td>
<td>Median lethal dose</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No-Observed Adverse Effect Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOEC</td>
<td>No-Observed Effect Concentration</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulations concerning the International Carriage of Dangerous Goods by Rail</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>TLM</td>
<td>Median Tolerance Limit</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

Data sources: MSDS of the supplier. IUCLID-Dossier from ECHA.
Department issuing data specification sheet: R&D department
Contact person: R&D department

Full text of H- and EUH-statements:

| EUH208 | Contains. May produce an allergic reaction |
| EUH210 | Safety data sheet available on request |

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.