<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNS1-1, DNS1-R</td>
<td>DENV Detect™ NS1 ELISA</td>
</tr>
</tbody>
</table>

Components:

- Coated Microtiter Strips for DENV Detect NS1 ELISA
- Negative Control for DENV Detect NS1 ELISA
- 10X Wash Buffer
- Liquid TMB Substrate
- Stop Solution
- Cut-Off Control for DENV Detect NS1 ELISA
- DENV Detect NS1 ELISA Positive Control
- 100X Conjugate for DENV Detect NS1 ELISA
- Conjugate Diluent for DENV Detect NS1 ELISA
- Sample Dilution Buffer for DENV Detect NS1 ELISA
**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier:**
  - **Trade name:** Coated Microtiter Strips for DENV Detect NS1 ELISA
    - **Part Number:** 500595

- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
  - **Product category:** Scientific reagent

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** InBios International, Inc.
    - 562 1st Ave. South
    - Suite 600
    - Seattle, WA 98104
    - Ph: 206-344-5821
    - Fax: 206-344-5823

- **1.4 Emergency telephone number:**
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
    - Call CHEMTREC Day or Night
    - Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    - The product is not classified according to the CLP regulation.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word:** Non-Regulated Material
  - **Hazard statements:** Non-Regulated Material
  - **Additional information:**
    - 0 % of the mixture consists of component(s) of unknown toxicity.
    - Contains 0 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards:** None known

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

- **3.1 Chemical characterisation: Mixtures**
  - **Description:** Mixture: consisting of non-regulated material.

- **Dangerous components:** Non-Regulated Material

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** If swallowed and symptoms occur, consult a doctor.

(Contd. on page 2)
SECTION 5: Firefighting measures

5.1 Extinguishing media
- Suitable extinguishing agents:
  CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters
- Protective equipment:
  As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions:
- No special measures required.

6.3 Methods and material for containment and cleaning up:
- Dispose of the material collected according to regulations.

6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
- Personal protective equipment:
  - General protective and hygienic measures: No special measures required.
  - Respiratory protection: Not required.
  - Protection of hands: Not required.
  - Material of gloves: Not required.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
  - Form: Strip
  - Colour: Clear
  - Odour: Odourless
  - pH-value: Not applicable.

- Change in condition
  - Melting point/Melting range: Not determined.
  - Boiling point/Boiling range: Not determined.

- Flash point: Not applicable.

- Flammability (solid, gaseous): Not determined.

- Ignition temperature: Not determined

- Decomposition temperature: Not determined.

- Self-igniting: Product is not self-igniting.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.

- Vapour pressure: Not applicable.

- Density:
  - Relative density: Not determined.
  - Vapour density: Not applicable.
  - Evaporation rate: Not applicable.

- Solubility in / Miscibility with water: Insoluble.

- Partition coefficient (n-octanol/water): Not determined.

- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.

- Solvent content:
  - Organic solvents: 0.0 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.

(Contd. on page 4)
Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 02.02.2016
Version number 3
Revision: 26.01.2016

Trade name: Coated Microtiter Strips for DENV Detect NS1 ELISA
Part Number: 500595

(Contd. of page 3)

10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity Based on available data, the classification criteria are not met.
Primary irritant effect:
Skin corrosion/irritation May be irritating.
Serious eye damage/irritation May be irritating.
Sensitisation: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
Germin cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation:
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA Non-Regulated Material
14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Non-Regulated Material

(Contd. on page 5)
14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  - Class: Non-Regulated Material

14.4 Packing group
- ADR, IMDG, IATA
  - Class: Non-Regulated Material

14.5 Environmental hazards:
- Not applicable.

14.6 Special precautions for user
- Not applicable.

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

UN "Model Regulation":
- Non-Regulated Material

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
- Hazard pictograms Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients are listed.

National regulations:
- The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
- Trade name: Negative Control for DENV Detect NS1 ELISA
  Part Number: 500600

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  InBios International, Inc.
  562 1st Ave. South
  Suite 600
  Seattle, WA 98104
  Ph: 206-344-5821
  Fax: 206-344-5823

1.4 Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The substance is not classified according to the CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  0 % of the mixture consists of component(s) of unknown toxicity.
  Contains 0 % of components with unknown hazards to the aquatic environment.

2.3 Other hazards:
- None known
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances
- CAS No. Description
  Normal Human Serum

SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

Information about fire and explosion protection:
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
No special requirements.

Information about storage in one common storage facility:
Not required.

Further information about storage conditions:
None.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:
No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:

Additional information:
The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:
Not required.

Protection of hands:
Not required.

Material of gloves:
Not applicable.
**SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

#### General Information

- **Appearance:** Liquid
- **Colour:** Clear
- **Odour:** Slight
- **pH-value @ 20 °C:** 7-8
- **Change in condition**
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** Not determined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Not determined.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density:**
  - **Relative density:** Not determined.
  - **Vapour density:** Not determined.
  - **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.
  - **Organic solvents:** 0.0%
- **9.2 Other information**
  No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity:** No further relevant information available.
10.2 Chemical stability: Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

Primary irritant effect:

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

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

Sensitisation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

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

STOT-repeated exposure: Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Smaller quantities can be disposed of with household waste.

Observe all federal, state and local environmental regulations when disposing of this material.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA: Non-Regulated Material
Trade name: Negative Control for DENV Detect NS1 ELISA
Part Number: 500600

14.2 UN proper shipping name
   ADR, ADN, IMDG, IATA
   Non-Regulated Material

14.3 Transport hazard class(es)
   ADR, ADN, IMDG, IATA
   Class
   Non-Regulated Material

14.4 Packing group
   ADR, IMDG, IATA
   Non-Regulated Material

14.5 Environmental hazards:
   Not applicable.

14.6 Special precautions for user
   Not applicable.

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

UN "Model Regulation":
   Non-Regulated Material

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
   Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
   Hazard pictograms Non-Regulated Material
   Signal word: Non-Regulated Material
   Hazard statements: Non-Regulated Material

   Directive 2012/18/EU
   Named dangerous substances - ANNEX I Substance is not listed.

   National regulations:
   Substance is not listed.

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

SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous version altered.
SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
- Trade name: 10X Wash Buffer
  Part Numbers: 500100

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  InBios International, Inc.
  562 1st Ave. South
  Suite 600
  Seattle, WA 98104
  Ph: 206-344-5821
  Fax: 206-344-5823

1.4 Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The product is not classified according to the CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  Contains 2.4 % of components with unknown hazards to the aquatic environment.
  Safety data sheet available on request.

2.3 Other hazards:
- None known

Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

   Dangerous components:

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<th>CAS: 7647-14-5</th>
<th>Sodium Chloride</th>
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<tr>
<td>EINECS: 231-598-3</td>
<td>STOT SE 3, H335</td>
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<tr>
<td>RTECS: VZ4725000</td>
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<table>
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<tr>
<th>CAS: 7558-79-4</th>
<th>Sodium Phosphate</th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS: 231-448-7</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335-H336</td>
</tr>
<tr>
<td>RTECS: WC 4500000</td>
<td></td>
</tr>
</tbody>
</table>

- Additional information: For the wording of the listed hazard phrases refer to section 16.
(Contd. on page 2)
SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
- Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters
- Protective equipment:
  As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions: Do not allow to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: None.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Respiratory protection: Not required.
Protection of hands: Not required.
Material of gloves: Not required.
Penetration time of glove material: Not applicable.
Eye protection:

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
Form: Liquid
Colour: Clear
Odour: Odourless

Change in condition
Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.
Ignition temperature: Not determined
Decomposition temperature: Not determined.
Self-igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapour pressure @ 20 °C: 23 hPa
Density:
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.
Trade name: 10X Wash Buffer  
Part Numbers: 500100

- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.
- **Solvent content:**
  - **Organic solvents:** 0.0 %
- **9.2 Other information**  
  No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  
  - **LD/LC50 values relevant for classification:**

    | Compound               | Oral LD50 | Dermal LD50 |
    |------------------------|-----------|-------------|
    | 7647-14-5 Sodium Chloride | 4000 mg/kg (mouse) | >10000 mg/kg (rabbit) |
    |                        | 3000 mg/kg (rat) |             |
    | 7558-79-4 Sodium Phosphate | Oral LD50 |             |
    |                        | 17000 mg/kg (rat) |             |

- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Sensitisation:** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
    - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
    - **Carcinogenicity** Based on available data, the classification criteria are not met.
    - **Reproductive toxicity** Based on available data, the classification criteria are not met.
    - **STOT-single exposure** Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.
SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:**
    - 7647-14-5 Sodium Chloride
      - EC50 340.7-469.2 mg/l (Water flea)
  - **12.2 Persistence and degradability** No further relevant information available.
  - **12.3 Bioaccumulative potential** No further relevant information available.
  - **12.4 Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:**
      Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
      Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation:**
    - Smaller quantities can be disposed of with household waste.
    - Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
  - **ADR, ADN, IMDG, IATA** Non-Regulated Material
- **14.2 UN proper shipping name**
  - **ADR, ADN, IMDG, IATA** Non-Regulated Material
- **14.3 Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA** Non-Regulated Material
- **14.4 Packing group**
  - **ADR, IMDG, IATA** Non-Regulated Material
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
  - **UN "Model Regulation":** Not applicable.

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
- **Hazard pictograms** Non-Regulated Material
- **Signal word:** Non-Regulated Material
Hazard statements: Non-Regulated Material

Directive 2012/18/EU

Named dangerous substances - ANNEX I: None of the ingredients are listed.

National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

* Data compared to the previous version altered.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
- Trade name: Liquid TMB Substrate
- Part Numbers: 500140/500104

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: InBios International, Inc.
  562 1st Ave. South
  Suite 600
  Seattle, WA 98104
  Ph: 206-344-5821
  Fax: 206-344-5823

1.4 Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The product is not classified according to the CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  0 % of the mixture consists of component(s) of unknown toxicity.
  Contains 0 % of components with unknown hazards to the aquatic environment.

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures
- Description:
  Mixture: consisting of non-regulated material.

SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.

(Contd. on page 2)
 Trade name: Liquid TMB Substrate
Part Numbers: 500140/500104

• 4.2 Most important symptoms and effects, both acute and delayed
  No further relevant information available.
• 4.3 Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

SECTION 5: Firefighting measures

• 5.1 Extinguishing media
  • Suitable extinguishing agents:
    CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
• 5.2 Special hazards arising from the substance or mixture No further relevant information available.
• 5.3 Advice for firefighters
  • Protective equipment:
    As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent)
    and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Not required.
• 6.2 Environmental precautions: Dilute with plenty of water.
• 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of the material collected according to regulations.
• 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling No special measures required.
• Information about fire and explosion protection: No special measures required.
• 7.2 Conditions for safe storage, including any incompatibilities
  • Storage:
    • Requirements to be met by storerooms and receptacles: No special requirements.
    • Information about storage in one common storage facility: Not required.
    • Further information about storage conditions: None.
• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

• Additional information about design of technical facilities: No further data; see item 7.
• 8.1 Control parameters
  • Ingredients with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored
    at the workplace.
  • Additional information: The lists valid during the making were used as basis.
• 8.2 Exposure controls
  • General protective and hygienic measures:
    The usual precautionary measures are to be adhered to when handling chemicals.
  • Respiratory protection: Not required.
Protection of hands: Not required.
Material of gloves: Not required.
Penetration time of glove material: Not applicable.
Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
Form: Liquid
Colour: Clear
Odour: Odourless

Change in condition
Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.

Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Ignition temperature: Not determined.
Decomposition temperature: Not determined.
Self-igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
Lower: Not determined.
Upper: Not determined.

Vapour pressure: Not determined.

Density:
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with water: Fully miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.

Solvent content:
Organic solvents: 0.0 %

9.2 Other information
No further relevant information available.
SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation: Based on available data, the classification criteria are not met.
  - Sensitisation: Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
    - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
    - Carcinogenicity: Based on available data, the classification criteria are not met.
    - Reproductive toxicity: Based on available data, the classification criteria are not met.
    - STOT-single exposure: Based on available data, the classification criteria are not met.
    - STOT-repeated exposure: Based on available data, the classification criteria are not met.
    - Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Generally not hazardous for water
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation: Smaller quantities can be disposed of with household waste. Observe all federal, state and local environmental regulations when disposing of this material.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.
    - Recommended cleansing agents: Water, if necessary together with cleansing agents.
SECTION 14: Transport information

- **14.1 UN-Number**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
- **14.2 UN proper shipping name**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
- **14.3 Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
  - Class: Non-Regulated Material
- **14.4 Packing group**
  - ADR, IMDG, IATA: Non-Regulated Material
- **14.5 Environmental hazards:**
  - Not applicable.
- **14.6 Special precautions for user**
  - Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
  - Not applicable.
- **UN "Model Regulation":**
  - Non-Regulated Material

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
  - Hazard pictograms: Non-Regulated Material
  - Signal word: Non-Regulated Material
  - Hazard statements: Non-Regulated Material
- **Directive 2012/18/EU**
  - Named dangerous substances - ANNEX I: None of the ingredients are listed.
- **National regulations:**
  - The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- **15.2 Chemical safety assessment:**
  - A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- **Data compared to the previous version altered.**

SDS created by MSDS Authoring Services  www.msdsauthoring.com  +1-877-204-9106
**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier:**
  - **Trade name:** Stop Solution
  - **Part Numbers:** 500102/500658

- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
  - **Product category:** Scientific reagent

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** InBios International, Inc.
    - 562 1st Ave. South
    - Suite 600
    - Seattle, WA 98104
    - Ph: 206-344-5821
    - Fax: 206-344-5823

- **1.4 Emergency telephone number:**
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
  - Call CHEMTREC Day or Night
  - Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    - The substance is not classified according to the CLP regulation.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word:** Non-Regulated Material
  - **Hazard statements:** Non-Regulated Material
  - **Additional information:**
    - Safety data sheet available on request.
    - 0 % of the mixture consists of component(s) of unknown toxicity.
    - Contains 4.8 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards:** None known

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

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

- **3.1 Chemical characterisation: Mixtures**
  - **Description:** Mixture: consisting of non-regulated material.

- **Dangerous components:**
  - **CAS:** 7664-93-9
  - **EINECS:** 231-639-5
  - **Sulfuric Acid**
  - **Skin Corr. 1A, H314** 2-12%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.

(Contd. on page 2)
Trade name: Stop Solution  
Part Numbers: 500102/500658

*After skin contact*: Generally the product does not irritate the skin.  
*After eye contact*: Rinse opened eye for several minutes under running water.  
*After swallowing*: If swallowed and symptoms occur, consult a doctor.  

**4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.  

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

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**  
Suitable extinguishing agents:  
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  

**5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.  

**5.3 Advice for firefighters**  
Protective equipment:  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.  

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**  
Not required.  

**6.2 Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers, surface or ground water.  

**6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.  

**6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.  

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**  
No special measures required.  

**7.2 Conditions for safe storage, including any incompatibilities**  
Storage:  
Requirements to be met by storerooms and receptacles: No special requirements.  
Information about storage in one common storage facility: Not required.  
Further information about storage conditions: None.  

**7.3 Specific end use(s)**  
No further relevant information available.  

**SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:** No further data; see item 7.  

**8.1 Control parameters**

*Ingredients with limit values that require monitoring at the workplace:*  

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Limit Value</th>
</tr>
</thead>
</table>
| 7664-93-9 Sulfuric Acid | WEL: Long-term value: 0.05* mg/m³  
*mist: defined as thoracic fraction |

*Contd. on page 3*
· Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
· Personal protective equipment:
  · General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
  · Respiratory protection: Not required.
  · Protection of hands:
    - Protective gloves

· Material of gloves: Nitrile rubber, NBR
· Penetration time of glove material:
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be
  observed.
· Eye protection:
  - Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
· General Information
  · Appearance:
    - Form: Liquid
    - Colour: Clear
    - Odour: Odourless
  · Change in condition
    - Melting point/Melting range: Not determined.
    - Boiling point/Boiling range: Not determined.
  · Flash point: Not applicable.
  · Flammability (solid, gaseous): Not applicable.
  · Ignition temperature: Not determined
  · Decomposition temperature: Not determined.
  · Self-igniting: Product is not self-igniting.
  · Danger of explosion: Product does not present an explosion hazard.
  · Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
  · Vapour pressure: Not determined.
  · Density: Not determined.
  · Relative density: Not determined.
  · Vapour density: Not determined.
42.0.10

- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- **Solvent content:**
  - Organic solvents: 0.0 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>7664-93-9 Sulfuric Acid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50 Oral 2140 ml/kg (rat)</td>
</tr>
<tr>
<td>Inhalative LC50/96 hours 375 mg/l (rat)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
  - **Skin corrosion/irritation** May be irritating.
  - **Serious eye damage/irritation** May be irritating.
  - **Sensitisation:** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
    - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
    - **Carcinogenicity** Based on available data, the classification criteria are not met.
    - **Reproductive toxicity** Based on available data, the classification criteria are not met.
    - **STOT-single exposure** Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
    - **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**

  - **Aquatic toxicity:**
    - **7664-93-9 Sulfuric Acid**
      - EC50 |22 mg/l (daphnia) |

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
Trade name: Stop Solution
Part Numbers: 500102/500658

· 12.4 Mobility in soil No further relevant information available.
· Additional ecological information:
· General notes:
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
· 12.5 Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.
· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
· Recommendation:
  Smaller quantities can be disposed of with household waste.
  Observe all federal, state and local environmental regulations when disposing of this material.
· Uncleaned packaging:
· Recommendation: Disposal must be made according to official regulations.
· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number
· ADR, ADN, IMDG, IATA Non-Regulated Material
· 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA Non-Regulated Material
· 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA Non-Regulated Material
· Class
· 14.4 Packing group
· ADR, IMDG, IATA Non-Regulated Material
· 14.5 Environmental hazards: Not applicable.
· 14.6 Special precautions for user Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
· UN "Model Regulation": Not applicable.

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
· Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
· Hazard pictograms Non-Regulated Material
· Signal word: Non-Regulated Material
· Hazard statements: Non-Regulated Material
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients are listed.
· National regulations:
  The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 6)
SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

- *Data compared to the previous version altered.*

SDS created by MSDS Authoring Services  www.msdsauthoring.com  +1-877-204-9106
*SECTION 1: Identification of the substance/mixture and of the company/undertaking*

- **1.1 Product identifier:**
  - Trade name: Cut-Off Control for DENV Detect NS1 ELISA
  - Part Number: 500599

- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
  - **Product category:** Scientific reagent

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** InBios International, Inc.
    562 1st Ave. South
    Suite 600
    Seattle, WA 98104
    Ph: 206-344-5821
    Fax: 206-344-5823

- **1.4 Emergency telephone number:**
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
    Call CHEMTREC Day or Night
    Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

*SECTION 2: Hazards identification*

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    The substance is not classified according to the CLP regulation.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word:** Non-Regulated Material
  - **Hazard statements:** Non-Regulated Material
  - **Additional information:**
    - 0 % of the mixture consists of component(s) of unknown toxicity.
    - Contains 0 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards:** None known

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

*SECTION 3: Composition/information on ingredients*

- **3.1 Chemical characterisation: Mixtures**
  - **Description:** Mixture: consisting of non-regulated material.

- **Dangerous components:** Non-Regulated Material

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

*SECTION 4: First aid measures*

- **4.1 Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** If swallowed and symptoms occur, consult a doctor.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
- \( \text{CO}_2 \), powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions:
- Dilute with plenty of water.
- Do not allow to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Protection of hands: Not required.
- Material of gloves: Not required.
- Penetration time of glove material: Not applicable.
- Eye protection:

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
- Appearance:
  - Form: Liquid
  - Colour: Clear
  - Odour: Odourless
- Change in condition
  - Melting point/Melting range: Not determined.
  - Boiling point/Boiling range: Not determined.
- Flash point: Not applicable.
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: Not determined
- Decomposition temperature: Not determined.
- Self-igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapour pressure @ 20 °C: 23 hPa
- Density @ 20 °C: 1 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Fully miscible.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
  - Dynamic: Not determined.

(Contd. on page 4)
Kinematic: Not determined.

- Solvent content:
  - Organic solvents: 0.0 %
- 9.2 Other information No further relevant information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects
  - Acute toxicity Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation Based on available data, the classification criteria are not met.
  - Sensitisation: Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
    - Germ cell mutagenicity Based on available data, the classification criteria are not met.
    - Carcinogenicity Based on available data, the classification criteria are not met.
  - Reproductive toxicity Based on available data, the classification criteria are not met.
  - STOT-single exposure Based on available data, the classification criteria are not met.
  - STOT-repeated exposure Based on available data, the classification criteria are not met.
  - Aspiration hazard Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
  - Recommendation:
    Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

- 14.1 UN-Number
- ADR, ADN, IMDG, IATA Non-Regulated Material
- 14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA Non-Regulated Material
- 14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  - Class Non-Regulated Material
- 14.4 Packing group
- ADR, IMDG, IATA Non-Regulated Material
- 14.5 Environmental hazards:
  - Not applicable.
- 14.6 Special precautions for user
  - Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.
- UN "Model Regulation": Non-Regulated Material

**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
  - Hazard pictograms Non-Regulated Material
  - Signal word: Non-Regulated Material
  - Hazard statements: Non-Regulated Material
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients are listed.

**National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:
- Trade name: DENV Detect NS1 ELISA Positive Control
  Part Number: 500601

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: InBios International, Inc.
  562 1st Ave. South
  Suite 600
  Seattle, WA 98104
  Ph: 206-344-5821
  Fax: 206-344-5823

1.4 Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The substance is not classified according to the CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  0% of the mixture consists of component(s) of unknown toxicity.
  Contains 0% of components with unknown hazards to the aquatic environment.

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures
- Description: Mixture: consisting of non-regulated material.

- Dangerous components: Non-Regulated Material
- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.
Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

(Contd. on page 3)
Protection of hands: Not required.
Material of gloves: Not required.
Penetration time of glove material: Not applicable.
Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
Form: Liquid
Colour: Clear
Odour: Odourless
pH-value @ 20 °C: 7
Change in condition
Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.
Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Ignition temperature: Not determined
Decomposition temperature: Not determined.
Self-igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.
Explosion limits:
Lower: 0 Vol %
Upper: 0 Vol %
Vapour pressure @ 20 °C: 23 hPa
Density @ 20 °C: 1.009 g/cm³
Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.
Solubility in / Miscibility with water: Fully miscible.
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.
Solvent content:
Organic solvents: 0.0 %
SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation: Based on available data, the classification criteria are not met.
  - Sensitisation: Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
    - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
    - Carcinogenicity: Based on available data, the classification criteria are not met.
    - Reproductive toxicity: Based on available data, the classification criteria are not met.
    - STOT-single exposure: Based on available data, the classification criteria are not met.
    - STOT-repeated exposure: Based on available data, the classification criteria are not met.
    - Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Generally not hazardous for water
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation:
    Smaller quantities can be disposed of with household waste.
    Observe all federal, state and local environmental regulations when disposing of this material.

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.
SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
- 14.2 UN proper shipping name
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA: Non-Regulated Material
- 14.4 Packing group
  - ADR, IMDG, IATA: Non-Regulated Material
- 14.5 Environmental hazards:
  - Not applicable.
- 14.6 Special precautions for user
  - Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.
- UN "Model Regulation": Non-Regulated Material

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
  - Hazard pictograms: Non-Regulated Material
  - Signal word: Non-Regulated Material
  - Hazard statements: Non-Regulated Material
- Directive 2012/18/EU
  - Named dangerous substances - ANNEX I: None of the ingredients are listed.
- National regulations:
  - The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
* Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

- Trade name: 100X Conjugate for DENV Detect NS1 ELISA
  - Product Number: 500596

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

- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: InBios International, Inc.
  - 562 1st Ave. South
  - Suite 600
  - Seattle, WA 98104
  - Ph: 206-344-5821
  - Fax: 206-344-5823

1.4 Emergency telephone number:

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008
  - The substance is not classified according to the CLP regulation.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 Non-Regulated Material
- Hazard pictograms Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  - 0 % of the mixture consists of component(s) of unknown toxicity.
  - Contains 1 % of components with unknown hazards to the aquatic environment.

2.3 Other hazards:

- None known
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures

- Description: Mixture: consisting of non-regulated material.
- Dangerous components: Non-Regulated Material
- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.

(Contd. on page 2)
SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
- CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions:
Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Limit Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>56-81-5 Glycerol</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Trade name: 100X Conjugate for DENV Detect NS1 ELISA
Product Number: 500596

· **Respiratory protection**: Not required.
· **Protection of hands**: Not required.
· **Material of gloves**: Not required.
· **Penetration time of glove material**: Not applicable.
· **Eye protection**: Goggles recommended during refilling

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**
  · **General Information**
    · **Appearance**: Liquid
      · **Form**: Liquid
      · **Colour**: Clear
      · **Odour**: Odourless
  · **Change in condition**
    · **Melting point/Melting range**: Not determined.
    · **Boiling point/Boiling range**: Not determined.
  · **Flash point**: Not applicable.
  · **Flammability (solid, gaseous)**: Not applicable.
  · **Ignition temperature**: Not determined.
  · **Decomposition temperature**: Not determined.
  · **Self-igniting**: Product is not self-igniting.
  · **Danger of explosion**: Product does not present an explosion hazard.
  · **Explosion limits**
    · **Lower**: Not determined.
    · **Upper**: Not determined.
  · **Vapour pressure**: Not determined.
  · **Density**
    · **Relative density**: Not determined.
    · **Vapour density**: Not determined.
    · **Evaporation rate**: Not determined.
  · **Solubility in / Miscibility with water**: Fully miscible.
  · **Partition coefficient (n-octanol/water)**: Not determined.
  · **Viscosity**
    · **Dynamic**: Not determined.
    · **Kinematic**: Not determined.
  · **Solvent content**
    · **Organic solvents**: 1.0 %
SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No further relevant information available.
- **10.2 Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- **10.4 Conditions to avoid:** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **Primary irritant effect:**
    - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
    - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Sensitisation:** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
    - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
    - **Carcinogenicity** Based on available data, the classification criteria are not met.
    - **Reproductive toxicity** Based on available data, the classification criteria are not met.
    - **STOT-single exposure** Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **12.2 Persistence and degradability** No further relevant information available.
  - **12.3 Bioaccumulative potential** No further relevant information available.
  - **12.4 Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:** Generally not hazardous for water
  - **12.5 Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.
    - **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation:**
    Smaller quantities can be disposed of with household waste.
    Observe all federal, state and local environmental regulations when disposing of this material.
  - **Uncleaned packaging:**
    - **Recommendation:** Disposal must be made according to official regulations.
    - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.
SECTION 14: Transport information

- 14.1 UN-Number
- ADR, ADN, IMDG, IATA
  Non-Regulated Material
- 14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA
  Non-Regulated Material
- 14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  Non-Regulated Material
- 14.4 Packing group
- ADR, IMDG, IATA
  Non-Regulated Material
- 14.5 Environmental hazards:
  Not applicable.
- 14.6 Special precautions for user
  Not applicable.
- 14.7 Transport in bulk according to Annex II of
  Marpol and the IBC Code
  Not applicable.
- UN "Model Regulation":
  Non-Regulated Material

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
  Non-Regulated Material
- Hazard pictograms
  Non-Regulated Material
- Signal word:
  Non-Regulated Material
- Hazard statements:
  Non-Regulated Material
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I
  Hydrochloric acid
- National regulations:
  The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106
**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier:**
  - **Trade name:** Conjugate Diluent for DENV Detect NS1 ELISA
  - **Product Number:** 500597

- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
  - **Product category:** Scientific reagent

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** InBios International, Inc.
    - 562 1st Ave. South
    - Suite 600
    - Seattle, WA 98104
    - Ph: 206-344-5821
    - Fax: 206-344-5823

- **1.4 Emergency telephone number:**
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
  - Call CHEMTREC Day or Night
  - Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    - The product is not classified according to the CLP regulation.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word:** Non-Regulated Material
  - **Hazard statements:** Non-Regulated Material

- **Additional information:**
  - 0 % of the mixture consists of component(s) of unknown toxicity.
  - Contains 0 % of components with unknown hazards to the aquatic environment.

- **2.3 Other hazards:** None known

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

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

- **3.1 Chemical characterisation: Mixtures**
  - **Description:** Mixture: consisting of non-regulated material.

- **Dangerous components:**
  - 9002-93-1 Triton X-100
    - Acute Tox. 3, H331; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Eye Irrit. 2, H319 ≤.1%

- **SVHC**
  - 9002-93-1 Triton X-100

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 2)
SECTION 4: First aid measures

· 4.1 Description of first aid measures
  · General information: No special measures required.
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact: Generally the product does not irritate the skin.
  · After eye contact: Rinse opened eye for several minutes under running water.
  · After swallowing: If swallowed and symptoms occur, consult a doctor.

· 4.2 Most important symptoms and effects, both acute and delayed
  No further relevant information available.

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

SECTION 5: Firefighting measures

· 5.1 Extinguishing media
  · Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· 5.2 Special hazards arising from the substance or mixture
  No further relevant information available.

· 5.3 Advice for firefighters
  · Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures
  Not required.

· 6.2 Environmental precautions:
  Dilute with plenty of water.
  Do not allow to enter sewers, surface or ground water.

· 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

· 6.4 Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling
  No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities
  · Storage:
    · Requirements to be met by storerooms and receptacles: No special requirements.
    · Information about storage in one common storage facility: Not required.
    · Further information about storage conditions: None.

· 7.3 Specific end use(s)
  No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

(Contd. on page 3)
8.1 Control parameters
   Ingredients with limit values that require monitoring at the workplace:
   The product does not contain any relevant quantities of materials with critical values that have to be monitored
   at the workplace.
   Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls
   Personal protective equipment:
   General protective and hygienic measures:
   The usual precautionary measures are to be adhered to when handling chemicals.
   Respiratory protection: Not required.
   Protection of hands: Not required.
   Material of gloves: Not required.
   Penetration time of glove material: Not applicable.
   Eye protection:

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
   General Information
   Appearance:
      Form: Liquid
      Colour: Clear
      Odour: Odourless
   Change in condition
      Melting point/Melting range: Not determined.
      Boiling point/Boiling range: Not determined.
   Flash point: Not applicable.
   Flammability (solid, gaseous): Not applicable.
   Ignition temperature: Not determined
   Decomposition temperature: Not determined.
   Self-igniting: Product is not self-igniting.
   Danger of explosion: Product does not present an explosion hazard.
   Explosion limits:
      Lower: Not determined.
      Upper: Not determined.
   Vapour pressure: Not determined.
   Density:
      Relative density: Not determined.
      Vapour density: Not determined.
      Evaporation rate: Not determined.
42.0.10

Solubility in / Miscibility with
water: Fully miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
Dynamic: Not determined.
Kinematic: Not determined.

Solvent content:
Organic solvents: 0.0 %

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No further relevant information available.
10.2 Chemical stability: Stable under normal conditions.
10.3 Possibility of hazardous reactions: No dangerous reactions known.
10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>9002-93-1 Triton X-100</td>
<td>1800 mg/kg (rat)</td>
<td>8000 mg/kg (rat)</td>
<td>8.9 mg/l (Pimephales)</td>
</tr>
</tbody>
</table>

Primary irritant effect:
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Sensitisation: Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>9002-93-1 Triton X-100</td>
<td>26 mg/l (daphnia)</td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation:
  Smaller quantities can be disposed of with household waste.
  Observe all federal, state and local environmental regulations when disposing of this material.

13.2 Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
- ADR, ADN, IMDG, IATA: Non-Regulated Material

14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA: Non-Regulated Material

14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA: Non-Regulated Material

14.4 Packing group
- ADR, IMDG, IATA: Non-Regulated Material

14.5 Environmental hazards:
- Not applicable.

14.6 Special precautions for user
- Not applicable.

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material

15.2 Directive 2012/18/EU
- Named dangerous substances - ANNEX I: None of the ingredients are listed.

15.3 National regulations:
- The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

9002-93-1 Triton X-100

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

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Acute Tox. 3: Acute toxicity, Hazard Category 3
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

* Data compared to the previous version altered.

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

1.1 Product identifier:
- Trade name: Sample Dilution Buffer for DENV Detect NS1 ELISA
  Part Number: 500598

1.2 Relevant identified uses of the substance or mixture and uses advised against:
- Product category: Scientific reagent

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: InBios International, Inc.
  562 1st Ave. South
  Suite 600
  Seattle, WA 98104
  Ph: 206-344-5821
  Fax: 206-344-5823

1.4 Emergency telephone number:
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The product is not classified according to the CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
- Hazard pictograms: Non-Regulated Material
- Signal word: Non-Regulated Material
- Hazard statements: Non-Regulated Material
- Additional information:
  0% of the mixture consists of component(s) of unknown toxicity.
  Contains 0% of components with unknown hazards to the aquatic environment.

2.3 Other hazards:
- None known
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Mixtures
- Description: Mixture: consisting of non-regulated material.

- Dangerous components: Non-Regulated Material
- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If swallowed and symptoms occur, consult a doctor.

(Contd. on page 2)
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture
No further relevant information available.

5.3 Advice for firefighters
Protective equipment:
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
No special measures required.

Information about fire and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: None.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.
42.10

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Not required.

Material of gloves: Not required.

Penetration time of glove material: Not applicable.

Eye protection:

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid
Colour: Clear

Odour: Odourless

Change in condition

Melting point/Melting range: Not determined.
Boiling point/Boiling range: Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Vapour pressure: Not determined.

Density:

Relative density: Not determined.
Vapour density: Not determined.
Evaporation rate: Not determined.

Solubility in / Miscibility with water: Fully miscible.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.
Kinematic: Not determined.

- Solvent content:
  - Organic solvents: 0.0 %
- 9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability: Stable under normal conditions.
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No dangerous reactions known.
- 10.4 Conditions to avoid: No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
  - Acute toxicity: Based on available data, the classification criteria are not met.
  - Primary irritant effect:
    - Skin corrosion/irritation: Based on available data, the classification criteria are not met.
    - Serious eye damage/irritation: Based on available data, the classification criteria are not met.
  - Sensitisation: Based on available data, the classification criteria are not met.
  - CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):
    - Germ cell mutagenicity: Based on available data, the classification criteria are not met.
    - Carcinogenicity: Based on available data, the classification criteria are not met.
    - Reproductive toxicity: Based on available data, the classification criteria are not met.
    - STOT-single exposure: Based on available data, the classification criteria are not met.
    - STOT-repeated exposure: Based on available data, the classification criteria are not met.
    - Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
  - Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
- 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation:
    - Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN-Number**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material

- **14.2 UN proper shipping name**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material

- **14.3 Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA: Non-Regulated Material

- **14.4 Packing group**
  - ADR, IMDG, IATA: Non-Regulated Material

- **14.5 Environmental hazards:** Not applicable.

- **14.6 Special precautions for user** Not applicable.

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

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Labelling according to Regulation (EC) No 1272/2008** Non-Regulated Material
  - **Hazard pictograms** Non-Regulated Material
  - **Signal word:** Non-Regulated Material
  - **Hazard statements:** Non-Regulated Material

- **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients are listed.

- **National regulations:**
  - The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative

- **Data compared to the previous version altered.**

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