MATERIAL SAFETY DATA SHEET

HEPATITIS C – anti HCV
Catalog #: WC3196
ANTIBODY TO HEPATITIS C VIRUS ELISA KIT

For Research Use Only Not for Diagnostic Use

KIT COMPONENTS AND CHEMICAL TOXICITY

<table>
<thead>
<tr>
<th>Components of the kit</th>
<th>Format</th>
<th>Hazardous Chemicals</th>
<th>CAS#</th>
<th>Pages</th>
<th>EU R&amp;S-paragraphs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICROWELL PLATE</td>
<td>1x96well</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITIVE/NEGATIVE</td>
<td>1x0.2ml</td>
<td>ProClin™ 300 (0.1%)</td>
<td>N/A</td>
<td>5-7</td>
<td>R43, S28-37</td>
</tr>
<tr>
<td>CONTROLS</td>
<td></td>
<td></td>
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<tr>
<td>SPECIMEN DILUENT</td>
<td>1x14ml</td>
<td>Casein</td>
<td>9000-71-9</td>
<td>14-15</td>
<td>No associated risk</td>
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<tr>
<td>HRP-CONJUGATE REAGENT</td>
<td>1x14ml</td>
<td>ProClin™ 300 (0.1%)</td>
<td>N/A</td>
<td>5-7</td>
<td>R43, S28-37</td>
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<tr>
<td>STOCK WASH BUFFER</td>
<td>1x50ml</td>
<td>Tween 20™ (0.2%)</td>
<td>9005-64-5</td>
<td>8-10</td>
<td>R1, S1</td>
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<tr>
<td>CHROMOGEN SOLUTION B</td>
<td>1x8ml</td>
<td>TMB solution (0.1%)</td>
<td>54827-17-7</td>
<td>11-13</td>
<td>R20/21/22, S26-36-33/6/37/38/40</td>
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<tr>
<td>CHROMOGEN SOLUTION A</td>
<td>1x8ml</td>
<td>Hydrogen peroxide (0.1%)</td>
<td>7722-84-1</td>
<td>11-13</td>
<td>R34, S3-28-36/39-45</td>
</tr>
<tr>
<td>STOP SOLUTION</td>
<td>1x8ml</td>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>2-4</td>
<td>R34, S36-37, S39 S24, S25</td>
</tr>
</tbody>
</table>

BIOLOGICAL SAFETY

**Antigen:** recombinant HCV NS5, c22, c200 commercially available preparation

**Infectivity:** none

**Human origin materials:**
**Positive control:** Materials from human origin may have been used in the preparation of the positive control of the kit. These materials have been tested and found negative to HCV, TP, HIV 1+2 and HBsAg.

**Negative control:** Materials from human origin may have been used in the preparation of the positive control of the kit. These materials have been tested and found negative to HCV, TP, HIV 1+2 and HBsAg.

**Bovine origin materials:** for stabilization of standards and HRP-Conjugate reagent, sera bovine serum albumin (BSA) and fetal calf sera (FCS) are used; these products are derived from animals from geographical areas known to be BSE-free.
SECTION 1. IDENTIFICATION OF SUBSTANCES /PREPARATION

Component name: Stop solution
Catalog No.: N/A
Application: Stopping solution in anti0HCV ELISA
Hazardous component: Sulfuric Acid (H₂SO₄) Water Solution

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqueous solution C; 35
Hazardous ingredients:
CAS# 7664-93-9 2 Molar Sulfuric acid

SECTION 3. HAZARD IDENTIFICATION

C Corrosive (not indicated on reagent label)
R34 Cause burns

SECTION 4. FIRST AID MEASURES

➢ After inhalation In case of unconsciousness place patient stably in side position for transportation
➢ After skin contact Immediately wash with water and soap and rinse thoroughly
➢ After eye contact Rinse opened eye for several minutes under running water
➢ After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Non-applicable extinguishing media: Undetermined
Special exposure hazards arising from the substance or preparation itself: Undetermined
Special protective equipment for fire fighters. Not required

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Environmental precautions:
➢ Prevent seepage into sewage system, work pits and cellars. Dilute with plenty of water.
➢ Do not allow entering sewers/ surface or ground water.
Measures for cleaning
➢ Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
➢ Use neutralizing agent.
➢ Dispose contaminated material as waste according to item 13.
➢ Ensure adequate ventilation.

SECTION 7. HANDLING AND STORAGE

Handling: Cannot be stored indefinitely
Information for safe handling, fire, and explosion protection: No special measures required
Storage:
Requirements to be met by storerooms and receptacles: Store in cool, well-ventilated location, away from any area where fire hazard may be present.
Information about storage in one common storage facility: Store separately from incompatible materials.
Common storage facility: Not special requirements
Further information about storage conditions: Keep vials tightly closed. Protect against physical damage.
Storage class and class according to regulation on flammable liquids: Void
SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Additional information about design of technical facilities:

**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.

**Personal protective equipment**
- **S36, S37, S39**

**General protective and hygienic measures**
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes **S25** and skin **S24**.

**Respiratory protection:** Not required.

**Hand protection:** **S37** required.

**Eye protection:** **S39** required.

SECTION 9. IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
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<td>Color</td>
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<td>Flash point</td>
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<tr>
<td>Oxidizing properties</td>
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</tr>
<tr>
<td>Explosivity</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N/A</td>
</tr>
<tr>
<td>Self-igniting</td>
<td>Not selfigniting.</td>
</tr>
<tr>
<td>Relative density</td>
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<tr>
<td>Solvent content</td>
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<tr>
<td>Odor</td>
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<tr>
<td>Vapor pressure</td>
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<tr>
<td>Evaporation rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting point</td>
<td>N/A</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>No explosion hazard.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Totally miscible</td>
</tr>
<tr>
<td>PH</td>
<td>0.5</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

**Thermal decomposition:** If used according to specifications the reagent will not decompose.

**Conditions to be avoided:**

**Dangerous reactions:** No dangerous reactions known.

**Dangerous decomposition products:** No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Primary irritant effect:**
- **On the skin:** Caustic effect on skin and mucous membranes.
- **On the eye:** Strong caustic effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**
The product shows the following dangers:

**Corrosive** - Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** N/A

**Mobility:** N/A

**Persistence and degradability:**

**Bioaccumulative potential**

**Others:** Hazardous for water.
MATERIAL SAFETY DATA SHEET

Danger to drinking water if even small quantities leak into the ground. Should not be allowed to reach ground water, water route or sewage system undiluted or unneutralized.

SECTION 13. DISPOSAL CONSIDERATIONS

Recommendation: Smaller quantities can be disposed of with household waste.
Uncleaned packaging: N/A
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14. TRANSPORT INFORMATION

Land Transport ADR/RID
Shipping name: Sulfuric Acid Water Solution as Stop solution in anti-HCV ELISA
Packaging group: II
Classification: R34
Maritime Transport IMDG/GGVSee
Shipping name: Sulfuric Acid Water Solution as Stop solution in anti-HCV ELISA
Packaging group: II
Classification: R34
EmS: 8-06
Marine pollutant: No
Air Transport ICAO/IATA
Shipping name: Sulfuric Acid Water Solution as Stop solution in anti-HCV ELISA
Packaging group: II
Classification: R34

SECTION 15. REGULATIONS

Code letter and hazard designation of product: N/A
Risk phrases: R34 Causes burns.
Safety phrases:
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 This material and its container must be disposed of as hazardous waste.
Water hazard class: hazardous for water.

SECTION 16. OTHERS

This information is based on our present state of knowledge and according to the internationally and domestically available literature. However, this MSDS shall not be used as a warranty for any specific product features. The MSDS is not a legally valid contractual relationship.

SECTION 1. IDENTIFICATION OF SUBSTANCES /PREPARATION

Component name: Positive/Negative controls, HRP - Conjugate
Catalog No.: N/A Application: Positive control in anti-HCV ELISA
Catalog No.: N/A Application: Negative control in anti-HCV ELISA
Catalog No.: N/A Application: HRP conjugate of rabbit anti-human IgG antibodies in ant-HCV ELISA

Hazardous component: ProClin™ 300

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS
MATERIAL SAFETY DATA SHEET

Aqueous solution Xi; 35 0.1%
Hazardous ingredients: CAS# N/A

SECTION 3. HAZARD IDENTIFICATION

Xi Irritant (not indicated on reagent label)
R43 May cause sensitization by skin contact

SECTION 4. FIRST AID MEASURES

- After inhalation: In case of unconsciousness place patient stably in side position for transportation
- After skin contact: Immediately wash with water and soap and rinse thoroughly
- After eye contact: Rinse opened eye for several minutes under running water
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Non-applicable extinguishing media: N/A
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases, etc.: Emits toxic fumes under fire conditions
Special protective equipment for fire fighters: Wear self-contaminated breathing apparatus and protective clothing to prevent contact with skin and eyes

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Environmental precautions:
- Prevent seepage into sewage system, work pits and cellars.
- Dilute with plenty of water.
- Do not allow entering sewers/surface or ground water.
Measures for cleaning:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.

SECTION 7. HANDLING AND STORAGE

Handling:
Information for safe handling: No special measures required
Information about fire - and explosion protection: No special measures required
Storage:
Requirements to be met by storerooms and receptacles: Store in cool, well-ventilated location, away from any area where fire hazard may be present.
Information about storage in one common storage facility: Store separately from incompatible materials.
Common storage facility: Not special requirements
Further information about storage conditions: Keep vials tightly closed. Protect against physical damage.
Storage class and class according to regulation on flammable liquids: Void

SECTION 8. EXPOSURE CONTROL /PERSONAL PROTECTION

Additional information about design of technical facilities:
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.

May cause sensitization by skin contact R 43
In case of accident or if you feel unwell, seek medical advice immediately S45
Avoid release to the environment S 61

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

General protective and hygienic measures
Immediately remove all soiled and contaminated clothing. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice
Wash hands before breaks and at the end of work
Avoid contact with the eyes S25 and skin S24

Respiratory protection: Not required
Hand protection: S37 required
Eye protection: S39 required

SECTION 9. IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
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<td>Explosivity</td>
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<tr>
<td>Solvent content</td>
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</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Thermal decomposition: If used according to specifications the reagent will not decompose

Conditions to be avoided:
Incompatibilities: OXIDIZING AGENTS, REDUCING AGENTS, AMINES, MERCAPTANS

Hazardous combustion or decomposition products: NITROGEN OXIDES, SULFUR OXIDES, HYDROGEN CHLORIDE GAS

Hazardous polymerization: Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Primary irritant effect:
- On the skin: Sensitization effect on skin and mucous membranes.
- On the eye: Strong caustic effect.

Additional toxicological information:
Acute effects – causes burns and sensitization (allergic effects) on the skin. Extremely destructive to the tissue of the mucous membranes and upper respiratory tract, the skin and the eyes. Maybe harmful if inhalated or swallowed.
INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA. SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING. EXPOSURE CAN CAUSE: DERMATITIS

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A
Mobility: N/A
Persistence and degradability: N/A
Bioaccumulative potential: N/A
**MATERIAL SAFETY DATA SHEET**

**Others:** Hazardous for water; Very toxic to aquatic organisms S 50; Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

To be disposed only by professional waste disposal service. Dissolve the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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**SECTION 14. TRANSPORT INFORMATION**

**Land Transport ADR/RID**

Shipping name: ProClin™ 300 as a preservative reagent in anti-HCV ELISA
Packaging group: III
Classification: R43

**Maritime Transport IMDG/GGVSee**

Shipping name: ProClin™ 300 as a preservative reagent in anti-HCV ELISA
Packaging group: II
Classification: R43
EmS: 8-06
Marine pollutant: Yes

**Air Transport ICAO/IATA**

Shipping name: ProClin™ 300 as a preservative reagent in anti-HCV ELISA
Packaging group: II
Classification: R43

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**SECTION 15. REGULATIONS**

**Code letter and hazard designation of product:** N/A

**Risk phrases:** R43 May cause sensitization by skin contact

**Safety phrases:**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S60 This material and its container must be disposed of as hazardous waste
S 45 In case of accident or if you feel unwell, seek medical advice immediately
S 61 Avoid release to the environment

**Water hazard class:** hazardous for water.

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**SECTION 16. OTHERS**

This information is based on our present state of knowledge and according to the internationally and domestically available literature. However, this MSDS shall not be used as a warranty for any specific product features. The MSDS is not a legally valid contractual relationship.

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**SECTION 1. IDENTIFICATION OF SUBSTANCES /PREPARATION**

**Component name:** 20 X Stock Wash Buffer
**Catalog No.:** N/A
**Application:** Washing solution in HBsAb Qualitative ELISA
**Hazardous component:** Tween 20 (0.2%)
**Synonyms:** Polyoxyethylene (20) sorbitan monolaurate

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**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

Aqueous solution **R1, S1 (As raw material)**
Hazardous ingredients:
MATERIAL SAFETY DATA SHEET

CAS# 9005-64-5

SECTION 3. HAZARD IDENTIFICATION

- Inhalation: May cause mild irritation to respiratory tract.
- Swallowing: May cause gastrointestinal irritation.
- Skin Contact: Contact may cause irritation.
- Eye Contact: May cause irritation.

SECTION 4. FIRST AID MEASURES

- After inhalation: N/A
- After swallowing: Get medical attention immediately. Never give anything by mouth to an unconscious person. Call for a doctor immediately
- After skin contact: Immediately wash with water and soap and rinse thoroughly. Get medical attention if irritation develops or persists.
- After eye contact: Rinse opened eye for several minutes under running water. Get medical attention immediately.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: N/A
Non-applicable extinguishing media: N/A
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases, etc.: Explosive when dry R1 (As raw material)
Special protective equipment for fire fighters. Wear self-contaminated breathing apparatus and protective clothing to prevent contact with skin and eyes

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Environmental precautions:
- Prevent seepage into sewage system, work pits and cellars.
- Do not allow entering sewers/ surface or ground water.
Measures for cleaning:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.
- Use non-sparking tools

SECTION 7. HANDLING AND STORAGE

Handling:
Information for safe handling: Avoid contact with skin and eyes. Wash hands before eating and after handling. Follow good hygienic practices, including no eating, drinking, or smoking in work areas.
Information about fire - and explosion protection: No special measures required

Storage:
Requirements to be met by storerooms and receptacles: Store in cool, well-ventilated location, away from any area where fire hazard may be present.
Information about storage in one common storage facility: Store separately from incompatible materials.
Common storage facility: Not special requirements
Further information about storage conditions: Keep vials tightly closed S1. Protect against physical damage.
Storage class and class according to regulation on flammable liquids: Void

SECTION 8. EXPOSURE CONTROL /PERSONAL PROTECTION
MATERIAL SAFETY DATA SHEET

Additional information about design of technical facilities:

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.

Avoid release to the environment S 61
Keep locked up S1
Explosive when dry R1 (As raw material)

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

Personal protective equipment S36, S37, S39

General protective and hygienic measures
Immediately remove all soiled and contaminated clothing. In case of contact with the eyes, rinse immediately with plenty of water. Wash hands before breaks and at the end of work.

Avoid contact with the eyes S25 and skin S24

Respiratory protection: Not required
Hand protection: S37 required
Eye protection: S39 required

SECTION 9. IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

Form: liquid
Color: Colorless
Flash point: N/A
Oxidising properties: N/A
Explosivity: N/A
Melting point: N/A
Self-igniting: Not selfigniting.
Relative density: N/A

PH: N/A
Odour: Odourless
Vapour pressure: N/A
Evaporation rate: N/A
Boiling point: N/A
Danger of explosion: Explosive when dry
Solubility in Water: Fully miscible
Solvent content: N/A

SECTION 10. STABILITY AND REACTIVITY

Thermal decomposition: If used according to specifications the reagent will not decompose

Conditions to be avoided:

Incompatibilities: N/A
Hazardous combustion or decomposition products: N/A
Hazardous polymerization: Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Skin, eye, and mucous membrane irritation, harmful by ingestion, inhalation or skin absorption.
Suspected carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A
Mobility: N/A
Persistence and degradability: N/A
Bioaccumulative potential: N/A
Others:
Hazardous for water
Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

SECTION 13. DISPOSAL CONSIDERATIONS

To be disposed only by professional waste disposal service and according to the local regulations.
SECTION 14. TRANSPORT INFORMATION

Land Transport ADR/RID
Shipping name: Tween 20 as detergent reagent in anti-HCV ELISA
Packaging group: N/A
Classification: R1 (As raw material)

Maritime Transport IMDG/GGVSee
Shipping name: Tween 20 as detergent reagent in anti-HCV ELISA
Packaging group: N/A
Classification: R1 (As raw material)

Marine pollutant: not studied

Air Transport ICAO/IATA
Shipping name: Tween 20 as detergent reagent in anti-HCV ELISA
Packaging group: N/A
Classification: R1 (As raw material)

SECTION 15. REGULATIONS

Code letter and hazard designation of product: N/A
Risk phrases: Explosive when dry R1 (As raw material)
Safety phrases:
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S60 This material and its container must be disposed of as hazardous waste
S 45 In case of accident or if you feel unwell, seek medical advice immediately
S 61 Avoid release to the environment
S1 Keep locked up

National and international regulations:
Water hazard class: Not studied.

SECTION 16. OTHERS

This information is based on our present state of knowledge and according to the internationally and domestically available literature. However, this MSDS shall not be used as a warranty for any specific product features. The MSDS is not a legally valid contractual relationship.

SECTION 1. IDENTIFICATION OF SUBSTANCES / PREPARATION

Component name: Specimen diluent Solutions
Catalog No.: N/A Application: for specimen dilution in anti-HCV ELISA

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

SECTION 3. HAZARD IDENTIFICATION

CAS No: 9000-71-9

SECTION 4. FIRST AID MEASURES

- Inhalation Not expected to require first aid measures. Remove to fresh air. Get medical attention for any difficulty breathing.
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- **Ingestion**: Not expected to require first aid measures. If large amounts were swallowed, give water to drink and get medical advice.
- **Skin contact**: Not expected to require first aid measures. Wash exposed area with soap and water.
- **Eye contact**: Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation occurs.

**SECTION 5. FIRE FIGHTING MEASURES**

**Fire**: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

**Explosion**: Fine dust dispersed in air in sufficient concentrations, and in the presence of and ignition source is a potential dust explosion hazard. Minimum ignition temperature, dust cloud: 460°C

**Fire extinguishing media**: Use any means suitable for extinguishing surrounding fire.

**Special information**: Use protective clothing and breathing equipment appropriate for the surrounding fire.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in section 8.
  
  **Spills**: sweep up and contain for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

**SECTION 7. HANDLING AND STORAGE**

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

**SECTION 8. EXPOSURE CONTROL /PERSONAL PROTECTION**

Additional information about design of technical facilities:

**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

In case of accident or if you feel unwell, seek medical advice immediately **S45**

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

**Personal protective equipment S36, S37, S39**

**General protective and hygienic measures**: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice

Wash hands before breaks and at the end of work

Avoid contact with the eyes **S25** and skin **S24**

**Respiratory protection**: Not required

**Hand protection**: **S37** required

**Eye protection**: **S39** required

**S45** In case of accident or if you feel unwell, seek medical advice immediately

**SECTION 9. IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION**

**SECTION 10. STABILITY AND REACTIVITY**

**Stability**: Stable under ordinary condition of use and storage.

**Conditions to be avoided**: Moisture

**Incompatibilities**: No information found

**Hazardous decomposition products**: Carbon dioxide and carbon monoxide may form when heated to decomposition.
MATERIAL SAFETY DATA SHEET

Hazardous polymerization: Will not occur

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity:
Primary irritant or sensitization effects:
➢ On the skin: no irritation or sensitization effects
➢ On the eye: no irritation or sensitization effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: N/A
Mobility: N/A
Persistence and degradability: N/A
Bioaccumulative potential: N/A
Others: Not hazardous for water.

SECTION 13. DISPOSAL CONSIDERATIONS

Can be disposed as normal waste
Clean with water and cleaning reagent

SECTION 14. TRANSPORT INFORMATION

Land Transport ADR/RID
Shipping name: Sample dilution reagents in anti-HCV ELISA
Maritime Transport IMDG/GGVSee
Shipping name: Sample dilution reagents in anti-HCV ELISA
Marine pollutant: No

Air Transport ICAO/IATA
Shipping name: Sample dilution reagents in anti-HCV ELISA

SECTION 15. REGULATIONS

Code letter and hazard designation of product: N/A

National and international regulations:
The current regulation of USA and 91/155/EC

Water hazard class: Not hazardous for water

SECTION 16. OTHERS

This information is based on our present state of knowledge and according to the internationally and domestically available literature. However, this MSDS shall not be used as a warranty for any specific product features. The MSDS is not a legally valid contractual relationship.