Section 1 – Product and Company Identification

1.1 Manufacturer Information
Quidel Corporation
2005 East State Street, Suite 100
Athens, OH 45701

Phone: 1.800.874.1517
Fax: 1.740.592.9820
Web: quidel.com
E-mail: gehs@quidel.com

1.2 Product Information

Product Name: Solana RSV + hMPV Assay (Catalog #: M306)
Intended Use: The Solana RSV + hMPV Assay amplifies and detects viral RNA present in viral transport media containing nasopharyngeal or nasal swab specimens obtained from symptomatic patients. Intended for use only with the Solana instrument.
Components: Solana Respiratory Process Buffer (1.55 mL), Reaction Tubes (lyophilized cake in 0.2 mL tube)

Section 2 – Hazard Identification

2.1 Classification of the Substance of Mixture
Not a hazardous substance or mixture.

2.2 GHS Label Elements, including Precautionary Statements
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P281 User personal protective equipment as required.

2.1 Hazards Not Otherwise Classified (HNOC) or not covered by GHS
- Follow Universal Precautions when working with this kit. Refer to additional Universal Precautions information in Section 7, Handling and Storage.

Section 3 – Composition / Information on Ingredients

3.1 Mixtures

3.2 No chemicals need to be disclosed according to the applicable regulations for the components in this kit.

<table>
<thead>
<tr>
<th>Component</th>
<th>Chemical Name</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Conc. (%)</th>
<th>Component Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Buffer</td>
<td>Glycerol (50%)</td>
<td>56-81-5</td>
<td>200-289-5</td>
<td>&lt;11</td>
<td>1.55 mL</td>
</tr>
<tr>
<td></td>
<td>Thesit</td>
<td>9002-92-0</td>
<td>500-002-6</td>
<td>0.2</td>
<td></td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

4.1 Description of First Aid Measures
- **If inhaled:** Move the person to fresh air and support breathing as required.
- **In case of skin contact:** Wash affected area with soap and water. Seek medical advice if irritation develops.
- **In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
- **If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water (do not swallow). Seek medical advice if irritation develops.

4.2 Most Important Symptoms and Effects (both acute and delayed)
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed
No specific measures identified. Physicians should treat symptomatically.
Section 5 – Fire Fighting Measures

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to extinguish a fire.

5.1 Suitable Extinguishing Media
For small fires, use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2 Special Hazards Arising from the Substance or Mixture
Nature of decomposition products not known.

5.3 Hazardous Combustion Products
No data available

5.4 General Fire Hazards
The components within this kit will not significantly contribute to the intensity of a fire.

5.5 Fire Fighting Equipment
Firefighters should wear full protective gear when responding to fires.

Section 6 – Accidental Release Measures

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to clean up a spill or release. A large spill of the Process Buffer contained within this kit is unlikely.

6.1 Personal Precautions
Use personal protective equipment, including protective gloves and safety glasses when cleaning up small spills of the solutions, controls or reagents within this kit. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Keep all unnecessary personnel away from the spill area.

6.2 Materials and Methods for Clean-Up
Wipe up with inert absorbent material (e.g., paper towel, etc.). Thoroughly wash the area with soap and water after a spill or release clean-up.

6.3 Recovery and Neutralization
Collect spilled material and clean-up supplies and place in a sealed container for disposal. Refer to Section 13 for disposal guidance.

6.4 Environmental Precautions
Contain spill to prevent migration to drains, sewers or open water sources. Discharge to the environment must be avoided.

Section 7 – Handling and Storage

7.1 Specific Use
Refer to product specific package insert. Not for use by the general public.

7.2 Precautions for Safe Handling
As with all chemical and biological substances, avoid getting the components within this kit ON YOU or IN YOU. Wash exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal Precautions should be followed when handling and working with this kit.

7.3 Universal Precautions
No known test method can offer complete assurance that product(s) derived from human blood, serum or plasma used in components of this kit will not transmit infectious agents. All blood products should be treated as potentially infectious; use universal precautions. Users should ensure the use of proper personal protective equipment (PPE), covering of any cuts or abrasions on the skin (hands), and follow standard protocols for the decontamination of work surfaces when testing has been completed. Always wash hands thoroughly after handling the components within this kit.

7.4 Conditions for Safe Storage (including any incompatibilities)
To maintain efficacy, store according to the package insert instructions.

7.5 Incompatibilities
To maintain efficacy, store according to the package insert instructions.
Section 8 – Exposure Controls and Personal Protection

8.1 Exposure Limits
No data available for the components within this kit.

8.2 Exposure Controls

Engineering Measures
Use with adequate ventilation.

Personal Protective Equipment

Respiratory Protection
None needed under normal conditions of use.

Skin Protection
Handle with appropriately rated chemical resistant gloves. Gloves should be inspected prior to use. Use proper glove technique to remove gloves to avoid contact with skin. Wash hands after handling the components within this kit.

Eye Protection
Wear safety glasses with side shields or goggles to prevent eye contact.

Body Protection
Use body protection appropriate for the task. A laboratory coat is recommended.

Hygiene Measures
Wash hands before use, after use and at the end of the workday.

8.3 Environmental Exposure Controls
No special environmental controls are required.

8.4 Special Notes
No data available.

Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Process Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate (Ether = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Neutral</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear liquid, mild odor</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Process Buffer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Hazard Reaction Potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Section 11 – Toxicological Properties

11.1 Information on Toxicological Effects

- **Acute Toxicity**: No data available
- **Skin Corrosion / Irritation**: No data available
- **Respiratory or Skin Sensitization**: No data available
- **Generative Cell Mutagenicity**: No data available
- **Carcinogenicity**: No component of this kit present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by the ACGIH, IARC, NTP or OSHA.
- **Reproductive Toxicity**: No data available
- **Teratogenicity**: No data available
- **Specified Target Organ Toxicity**
  - **Single Exposure**: No data available
  - **Repeated Exposure**: No data available
- **Aspiration Hazard**: No data available

**Potential Health Effects**

- **Inhalation**: May cause respiratory tract irritation.
- **Skin**: May cause skin irritation upon contact.
- **Ingestion**: May be harmful if swallowed.
- **Eyes**: May cause eye irritation.

11.2 Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for the components within this kit.

11.3 Additional Information

- **Kidneys – irregularities – Based on Human Evidence (Glycerol)**

Section 12 – Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 PBT and vPvB Assessment

No data available

12.6 Other Adverse Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 – Disposal Considerations

13.1 Waste Disposal Instructions

Utilize appropriate personal protective equipment and spill control when handling wastes generated from using this kit. Do not discharge any of the solutions, reagents or controls into drains, water courses or onto the ground.

13.2 Disposal of Product and Contaminated Packaging

Dispose of waste materials, unused components and contaminated packaging in compliance with country, federal, state and local regulations. If unsure of the applicable regulatory requirements, contact a licensed professional waste disposal service to dispose of this material.
Section 14 – Transportation Information

14.1 U.S Department of Transportation (DOT)  This kit is not regulated for transport.
14.2 International Air Transportation Association (IATA)  This kit is not regulated for transport.
14.3 International Maritime Dangerous Goods (IMDG)  This kit is not regulated for transport.

Section 15 – Regulatory Information

15.1 U.S. Federal Regulations
OSHA Hazards  None
SARA 302  The following chemicals are subject to reporting levels established by Sara Title III, Section 302:
No chemicals in this solution are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313  The following chemicals are subject to reporting levels established by SARA Title III, Section 313:
This solution does not contain any chemical components that exceed threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA311/312 Hazards
- Glycerol  CAS #: 56-81-5  Chronic Health Hazard
- Thesit  CAS #: 9002-92-0  Acute Health Hazard

15.2 State Regulations
The following chemicals appear on one or more of the following state hazardous substance lists:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Thesit</td>
<td>9002-92-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

California Prop 65:  This kit does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

15.3 Canadian Classification (Raw Material)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>Not controlled or classified</td>
</tr>
</tbody>
</table>
| Thesit        | 9002-92-0| D2B Toxic material causing other toxic effects
- Moderate skin irritant
- Moderate eye irritant

15.4 Additional Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Mixture  No data available
Chemical Safety Assessment  Not completed for the components contained within this kit.

NFPA Kit Classification:
- Health Hazard (blue): 1
- Fire Hazard (red): 0
- Reactivity (yellow): 0
- Special Hazards (white): None
Section 16 – Other Information

PREPARED BY:  Quidel Corporation
                12544 High Bluff Drive, Suite 200
                San Diego, CA 92130

SUPERSEDES:   New

REVISIONS:    New SDS

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