Section 1 - Product and Company Identification

Manufacturer Information

Quidel Corporation
10165 McKellar Court
San Diego, CA 92121
Phone: 1-800-874-1517
Fax: 1-858-453-4338
Emergency #: 1-800-222-1222 (Poison)
Web: www.quidel.com
Email: qehs@quidel.com

Product Information

Product Name: Complement Activator HAGG (Catalog #: A114)

Intended Use: Heat Aggregated Gamma Globulin acts as a potent classical complement pathway activator, functioning similarly to naturally occurring immune complexes. For research use only, not for use in Diagnostic Procedures.

Components: 0.2 mL / vial (Typically Frozen)

Section 2 – Hazards Identification

Emergency Overview

Significant health effects are not anticipated from routine use of this material when following the precautions listed within this SDS. The Complement Activator HAGG is not considered hazardous as defined by the Occupational Safety and Health Administration (OSHA), the Canadian Workplace Materials Information System (WHMIS) or the European Union (EU).

The A114 Complement Activator HAGG does contain material of human and/or animal origin and should be considered as potentially infectious. Follow Universal Precautions as necessary.

OSHA Hazards: No known OSHA hazards
GHS Classification: Not a dangerous substance or mixture
EU Labeling Classification: Not applicable

Section 3 – Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Concentration (%)</th>
<th>Component Volume (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous Chemicals:</strong> There are no hazardous chemicals contained within the Human Complement Standard at concentrations greater than 1% or 0.1% for extremely hazardous chemicals.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Contains the following preservative:</strong> Sodium Azide</td>
<td>0.02%</td>
<td>26628-22-8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

General Advice

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 at least 15 minutes. If eye irritation persists get medical attention.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.
Section 5 – Fire Fighting Measures

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

- **Extinguishing Media:** For small fires, use dry chemical, carbon dioxide or alcohol-resistant foam
- **Unsuitable Extinguishing Media:** None
- **General Fire Hazards:** The components within this kit will not significantly contribute to the intensity of a fire
- **Hazardous Combustion Products:** Not determined
- **Fire Fighting Equipment:** Firefighters should wear full protective gear when responding to fires

Additional Considerations
- **Flash Point:** Non Combustible
- **Auto-Ignition Temperature:** Not Applicable
- **Upper / Lower Explosion Limits:** Not Applicable

Section 6 – Accidental Release Measures

General Advice
Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to clean up a spill or release.

- **Personal Precautions:** Use personal protective equipment, including protective gloves and safety glasses when cleaning up small spills of the reagent solution. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Keep all unnecessary personnel away from spill area
- **Recovery and Neutralization:** Collect spilled material and place in sealed container for disposal
- **Materials and Methods for Clean-Up:** Thoroughly wash the area with soap and water after a spill or release clean-up
- **Environmental Precautions:** No environmental hazard is anticipated provided that the material is handled and disposed of with due care. Contain spill to prevent migration to public industrial / sanitary sewers or open water sources

Section 7 – Handling and Storage

Specific Use:
For research use only – Not for use in diagnostic procedures – Not for use by general public.

Precautions for Safe Handling
As with all chemical and biological substances, avoid getting the Complement Activator HAGG 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.

Conditions for Safe Storage: To maintain efficacy, store according to the Technical Data Sheet or Package Insert

Incompatibilities: None
Complement Activator (HAGG)
Heat Aggregated Gamma Globulin

Section 8 – Exposure Controls and Personal Protection

Exposure Limits: Not available

Exposure Controls:

Engineering Measures Use with adequate ventilation

Personal Protective Equipment

Respiratory Protection: None needed under normal conditions of use

Hand Protection: Handle with gloves (nitrile or equivalent). 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

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

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and at the end of the workday

Environmental Exposure Controls

No special environmental controls are required

Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>A114 Complement Activator HAGG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point (°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (Ether = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>7.3</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear to amber liquid with no odor (when thawed)</td>
</tr>
</tbody>
</table>

Section 10 – Stability and Reactivity

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>A114 Complement Activator HAGG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Stability</td>
<td>Stable under recommended storage conditions</td>
</tr>
<tr>
<td>Hazard Reaction Potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>None</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Not data available</td>
</tr>
</tbody>
</table>
Section 11 – Toxicological Information

Acute Toxicity

Component Analysis – LD{subscript:50}/LC{subscript:50}/Irritation: Not available

Potential Health Effects

- Skin Corrosion/Irritation: No data available. General irritation at point of exposure may be experienced
- Serious Eye Damage/Irritation: General irritation at point of exposure may be experienced
- Ingestion: None anticipated under normal product use conditions
- Inhalation: None anticipated under normal product use conditions
- Respiratory Organ or Skin Sensitization: No data available
- Generative Cell Mutagenicity: No data available
- Synergistic Effects: No data available

Carcinogenicity

To the best of our knowledge, the Complement Activator HAGG does not contain any carcinogens at levels greater than or equal to 0.1% that are probable, possible or confirmed human carcinogen as listed by:

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>CA Prop 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Reproductive Toxicity

- No data available

Teratogenicity

- No data available

Specified Target Organ General Toxicity

- Single Exposure (GHS): No data available
- Repeated Exposure (GHS): No data available

Aspiration Hazard

- No data available

Section 12 – Ecological Information

Ecotoxicity

- No data available

Persistence / Degradability

- No data available

Bioaccumulation

- No data available

Mobility in Soil

- No data available

PBT and vPvB Assessment

- No data available

Other adverse effects

- No data available

Section 13 – Disposal Considerations

Disposal of Product and Contaminated Packaging

Dispose of waste materials, unused components and contaminated packaging in compliance with country (e.g., Canada, EU, Japan, etc.), federal, state and local regulations. If unsure of the applicable regulatory requirements, contact the authorities for further guidance.
Section 14 – Transportation Information

U.S. Department of Transportation (DOT)
This kit is not regulated for transport – not dangerous goods.

International Air Transportation (IATA)
This kit is not regulated for transport – not dangerous goods.

International Maritime Dangerous Goods (IMDG)
This kit is not regulated for transport – not dangerous goods.

Section 15 – Regulatory Information

Regulatory Information
This safety datasheet complies with the requirements of the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, the Canadian Workplace Materials Information System (WHMIS) and European Union (EU) directives 1999/45/EC, 67/548EEC and 1907/2006/EC.

Safety, Health and Environmental regulations specific for the substance or mixture: No data available
Chemical Safety Assessment: No data available

US Federal Regulations

<table>
<thead>
<tr>
<th></th>
<th>A114 Complement Activator HAGG</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Hazards</td>
<td>No known OSHA hazards</td>
</tr>
<tr>
<td>SARA 302 Components</td>
<td>Sodium Azide (26628-22-8)</td>
</tr>
<tr>
<td>SARA 313 Components</td>
<td>This material does contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.</td>
</tr>
<tr>
<td>SARA 311/312 Hazards</td>
<td>No SARA hazards</td>
</tr>
</tbody>
</table>

State Regulations
The following chemicals appear on one or more of the following state hazardous substances 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>Sodium Azide</td>
<td>26628-22-8</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Additional Regulatory Information
Canadian: WHMIS Ingredients Disclosure List (IDL)  
Sodium Azide 26628-22-8
Japan: Existing and New Chemical Substances (ENCS)  
Sodium Azide 26628-22-8 I-482

HMIS Classification:  
0 0 0
B = Safety Glasses and Gloves
**Section 16 – Other Information**

<table>
<thead>
<tr>
<th>PREPARED BY:</th>
<th>Quidel Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10165 McKellar Court</td>
</tr>
<tr>
<td></td>
<td>San Diego, CA 92121</td>
</tr>
<tr>
<td></td>
<td>(858)-552-1100</td>
</tr>
<tr>
<td>SUPERCEDES:</td>
<td>N/A</td>
</tr>
<tr>
<td>REVISIONS:</td>
<td>New Safety Data Sheet (SDS)</td>
</tr>
</tbody>
</table>

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