Safety Data Sheet

Cat. # 786-095

OneQuant™ ActiveHOOK™ HyperCarrier™

Size: 8 x 2mg
# OneQuant ActiveHOOK HyperCarrier
## Safety Data Sheet

**according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations**

**Date of issue:** 09/29/2016  
**Revision date:** 05/11/2017  
**Version:** 7.1

## SECTION 1: Identification

### 1.1. Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>OneQuant ActiveHOOK HyperCarrier</td>
</tr>
<tr>
<td>Product code</td>
<td>0840</td>
</tr>
</tbody>
</table>

### 1.2. Recommended use and restrictions on use

No additional information available

### 1.3. Supplier

Geno Technology, Inc./G-Biosciences  
9800 Page Avenue  
Saint Louis, 63132-1429 - United States  
T 800-628-7730 - F 314-991-1504  
[technical@GBiosciences.com](mailto:technical@GBiosciences.com) - [www.GBiosciences.com](http://www.GBiosciences.com)

### 1.4. Emergency telephone number

Emergency number: Chemtrec [1-800-424-9300](tel:1-800-424-9300) (USA/Canada), ✆+1-703-527-3887 (Intl)

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS-US classification**

<table>
<thead>
<tr>
<th>Acute toxicity (oral)</th>
<th>H302</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Full text of H statements: see section 16

### 2.2. GHS Label elements, including precautionary statements

**GHS-US labeling**

- **Hazard pictograms (GHS-US):**

- **Signal word (GHS-US):** Warning

- **Hazard statements (GHS-US):** H302 - Harmful if swallowed

- **Precautionary statements (GHS-US):**
  - P264 - Wash hands, forearms and face thoroughly after handling.
  - P270 - Do not eat, drink or smoke when using this product.
  - P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.
  - P330 - Rinse mouth.
  - P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Not applicable
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<table>
<thead>
<tr>
<th>Name</th>
<th>Common Name (Synonyms)</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA</td>
<td>Ethylenediamine dihydrochloride / 1,2-diaminoethane dihydrochloride / 1,2-ethanediamine, dihydrochloride / chlor-ethane / dimethylenediamine dihydrochloride / ethylenediamine dihydrochloride / ethylenediamine, dihydrochloride / ethylenediamine, dihydrochloride / ethylenediamine / ethylenediamine monochloride / ethylenediamine dihydrochloride / ethylenediamine dichloride</td>
<td>(CAS-No.) 333-18-6</td>
<td>10 - 50</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>EDC</td>
<td>(3-dimethylaminopropyl)ethylcarbodiimide monohydrochloride / 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride / 1,3-propanediamine, N-(ethylcarbamimidoyl)-N,N-dimethylmonohydrochloride / EDC (1-ethyl-3-(3-dimethylamino)propyl carbodiimide, hydrochloride) / EDCI (1-ethyl-3-(3-dimethylamino)propyl carbodiimide, hydrochloride) / N-3(dimethyaminopropyl)-N'-ethylcarbodiimide hydrochloride / N-(ethyl carbamimidoyl)-N,N-dimethylpropane-1,3-diamine monohydrochloride / N-ethyl-N'-(3-diethylaminopropyl)carbodiimide hydrochloride / WSC (1-ethyl-3-(3-dimethylamino)propyl carbodiimide, hydrochloride)</td>
<td>(CAS-No.) 25952-53-8</td>
<td>0.5 - 2</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures
First aid measures general: Call a poison center/doctor/physician if you feel unwell.
First aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First aid measures after skin contact: Wash skin with plenty of water.
First aid measures after eye contact: Rinse eyes with water as a precaution.
First aid measures after ingestion: Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)
No additional information available

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

5.2. Specific hazards arising from the chemical
Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Ventilate spillage area.
6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

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

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
EDA (Ethylenediamine dihydrochloride) (333-18-6) Not applicable
EDC (25952-53-8) Not applicable

8.2. Appropriate engineering controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment
Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Color: No data available
Odor: No data available
Odor threshold: No data available
pH: No data available
Melting point: Not applicable
Freezing point: No data available
Boiling point: No data available
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Oral: Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ATE US (oral) : 1893.939 mg/kg body weight

EDC (Ethylene diamine dihydrochloride) (333-18-6)

LD50 dermal rabbit : > 6400 mg/kg (Rabbit, Dermal)
ATE US (oral) : 500 mg/kg body weight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified

EDC (25952-53-8)

Specific target organ toxicity – single exposure : May cause respiratory irritation.
Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

| EDA (Ethylenediamine dihydrochloride) (333-18-6) | 
| Persistence and degradability | Biodegradability in water: no data available. |

| EDC (25952-53-8) | 
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

| EDA (Ethylenediamine dihydrochloride) (333-18-6) | 
| Bioaccumulative potential | No bioaccumulation data available. |

| EDC (25952-53-8) | 
| Log Pow | 0.21 (Estimated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

SECTION 14: Transport information

部Department of Transportation (DOT)
In accordance with DOT
Not applicable
Transportation of Dangerous Goods
Not applicable
Transport by sea
Not applicable
Air transport
Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations
EDA (Ethylenediamine dihydrochloride) (333-18-6)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

EDC (25952-53-8)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>State or local regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDA (Ethylenediamine dihydrochloride)(333-18-6)</td>
<td></td>
</tr>
<tr>
<td>EDC(25952-53-8)</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 16: Other information

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Full text of H-phrases:

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.