Safety Data Sheet
Glu-Gly-Arg-chloromethylketone

SECTION 1: Identification

1.1 Product identifier

Product name
Glu-Gly-Arg-chloromethylketone

Product number
EGRCK-01

1.2 Other means of identification

GGACK

1.3 Recommended use of the chemical and restrictions on use

Laboratory chemicals

1.4 Supplier’s details

Name
Haematologic Technologies, Inc.
Address
57 River Road
Essex Junction, VT 05452
USA
Telephone
+1 (802) 878-1777
Fax
+1 (802) 878-1776
email
hti@haemtech.com

1.5 Emergency phone number(s)

+1 (802) 878-1777 Hours of operation: M-F 08:00-16:30 EST
+1 (800) 424-9300 (CHEMTREC®) during non-company hours

SECTION 2: Hazard identification

General hazard statement
No hazards have been identified for this compound.

2.1 Classification of the substance or mixture

2.2 GHS label elements, including precautionary statements

SECTION 3: Composition/information on ingredients

3.1 Substances

Formula: C14H25Cln6O5
Other names / synonyms: GGACK
Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Glu-Gly-Arg chloromethylketone</td>
<td>100 %</td>
</tr>
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SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Rinse with plenty of water. Get medical attention if irritation develops and persists. Get medical attention.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. Get medical attention.

If swallowed
DO NOT induce vomiting unless instructed to do so by medical professionals. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Personal protective equipment for first-aid responders
No data available.

4.2 Most important symptoms/effects, acute and delayed
No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
No data available.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Chemical safety goggles, protective clothing and shoes, protective rubber gloves

6.2 Environmental precautions
No special measures required.

6.3 Methods and materials for containment and cleaning up
Pick up mechanically placing in a waste disposal container.

Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Prevent formation of dust. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from heat, and sources of ignition. Evaporate residue under a fume hood.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry, 2-8°C space.

Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Thermal hazards
No data available.

Environmental exposure controls
No data available.
SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Appearance/form: Powder
- Odor: Nearly odorless
- Odor threshold: No data
- pH: No data
- Melting point/freezing point: No data
- Initial boiling point and boiling range: No data
- Flash point: Not applicable
- Evaporation rate: No data
- Flammability (solid, gas): Not applicable
- Upper/lower flammability limits: No data
- Vapor pressure: No data
- Vapor density: No data
- Relative density: No data
- Solubility (ies): No data
- Partition coefficient: n-octanol/water: No data
- Auto-ignition temperature: No data
- Decomposition temperature: No data
- Viscosity: No data
- Explosive properties: No data
- Oxidizing properties: No data

Other safety information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
The product is stable.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
Hygroscopic; keep container tightly closed.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
These products are carbon oxides (CO, CO2), halogenated compounds, hydrogen chloride.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
No data available.
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Skin corrosion/irritation  
No data available.

Serious eye damage/irritation  
No data available.

Respiratory or skin sensitization  
No data available.

Germ cell mutagenicity  
No data available.

Carcinogenicity  
No data available.

Reproductive toxicity  
No data available.

Summary of evaluation of the CMR properties  
No data available.

STOT-single exposure  
No data available.

STOT-repeated exposure  
No data available.

Aspiration hazard  
No data available.

Additional information  
No data available.

SECTION 12: Ecological information

Toxicity  
No data available.

Persistence and degradability  
No data available.

Bioaccumulative potential  
No data available.

Mobility in soil  
No data available.

Results of PBT and vPvB assessment  
No data available.

Other adverse effects  
No data available.

SECTION 13: Disposal considerations
**Disposal of the product**
Offer surplus and non-recyclable solutions to a licensed disposal company.

**Disposal of contaminated packaging**
Dispose of as unused product.

**Waste treatment**
No data available.

**Sewage disposal**
No data available.

**Other disposal recommendations**
Offer surplus and non-recyclable solutions to a licensed disposal company.

### SECTION 14: Transport information

**DOT (US)**
Not dangerous goods

**IMDG**
Not dangerous goods

**IATA**
Not dangerous goods

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations specific for the product in question

**SARA 302 Components**
No products were found.

**SARA 311/312 Hazards**
No products were found.

**SARA 313 Components**
No products were found.

**California Prop. 65 Components**
No products were found.

**Massachusetts Right To Know Components**
No components are subject to the Massachusetts Right to Know Act.

**New Jersey Right To Know Components**
No components are subject to the NJ Right to Know Act.

**Pennsylvania Right To Know Components**
No components are subject to the PA Right to Know Act.

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

### SECTION 16: Other information

#### 16.1 Further information/disclaimer
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