SAFETY DATA SHEET FORM

**Product Identifier:** Kick Carrageenan G

### Section 1 - PRODUCT and COMPANY IDENTIFICATION

1.1 Product Identifier

- **Product Name:** Kick Carrageenan G
- **Product Code(s):** KICKCARR-G-10KG
- **Chemical Name:** Mixture
- **Synonyms:** NA

1.2 Relevant identified uses of the substance or mixture and uses advised against

- **Intended Product Use:** Used as a fining agent in brewing applications. Not intended for direct consumption
- **Uses Advised Against:** NA

1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Distributor:** Gusmer Enterprises, Inc.
  - **Postal Address:** 81 M Street, Fresno, CA 93721 USA
  - **Telephone Number:** (01)(559) 485-2692 [USA] (product info)
    - **Hours of Operation:** Monday - Friday 8:00am-5:00pm PST
    - **Emergency telephone number:** Medical Emergency: 911

### Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

- **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):** This product, as shipped, is not regulated as an OSHA hazardous material when used in its normal state and use.

2.2 Label Elements

- **Hazard Pictogram(s):** Not Applicable
- **Signal Word:** Not Applicable
- **Hazard Statements:** Not Applicable

- **Appearance/Odor:** Off white to tan. Odorless to slightly marine.
- **Other Hazards:** Choking hazard if directly ingested

### Section 3 - COMPOSITION / INFORMATION on INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Common Name &amp; Synonyms</th>
<th>Percentage</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrageenan</td>
<td>NA</td>
<td>100%</td>
<td>9000-07-1</td>
</tr>
</tbody>
</table>

### Section 4 - FIRST AID MEASURES

4.1 Description of the first aid measures

- **Eye Contact:** Flush eyes with water for at least 15 minutes. Seek medical attention if eye irritation develops or persists.
- **Skin Contact:** Wash with soap and water and rinse for at least 5 minutes.
- **Inhalation:** Move to a well ventilated area. Seek medical attention if breathing becomes difficult.
- **Ingestion:** Accidental direct ingestion may cause choking. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- **Eye Contact:** May cause eye irritations. Avoid direct contact with eyes and excessive dust.
- **Skin Contact:** Dust may cause irritation if allowed to accumulate.
- **Inhalation:** Excessive airborne dust may cause irritation.
- **Ingestion:** Accidental direct ingestion may cause choking. Seek immediate medical attention.

- **Chronic Effects:** NA

4.3 Indication of any immediate medical attention and special treatment needed

- **Treatment:** Aspiration or ingestion of this product could cause chemical pneumonitis. Treatment is symptomatic and supportive.

### Section 5 - FIREFIGHTING MEASURES

5.1 Extinguishing Media

- Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

- No further relevant information available.

5.3 Advice for firefighters

- As in any fire, wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.

### Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Use personal protective equipment. Avoid dust inhalation and skin contact.

6.2 Environmental precautions

- Prevent product from entering drains. Discharge in accordance with federal, state and local laws.

6.3 Methods and materials for containment and cleaning up

- **Dike spill if material is wet.** Product may become slippery when wet. If spill is wet, absorb with inert material. If spill is dry, sweep or vacuum. See Section 13 for disposal.

See Section 8 for appropriate personal protective equipment.

### Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

- Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powdered material can build static electricity when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmosphere. Ensure adequate ventilation. In case of inefficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected. See Section 8 for more information.

7.2 Conditions for safe storage, including any incompatibilities

- Store in a clean, cool, dry location.

See Section 8 for OSHA permissible exposure limit(s).
**SAFETY DATA SHEET FORM**

**Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Control parameters**

- This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**8.2 Exposure controls**

- **Engineering Controls:**
  - Normal Handling Conditions: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

- **Respiratory Protection:**
  - If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator.

- **Eye Protection:**
  - ANSI Z87+ approved dust goggles or safety glasses, if necessary, to avoid eye irritation.

- **Skin Protection:**
  - Cover skin with clothing and/or gloves if skin dryness or irritation occurs.

- **General Hygiene:**
  - Maintain good housekeeping practices, wash hands after handling, avoid direct eye contact.

**Section 9 - PHYSICAL and CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

- **Physical State:** Granules or powder
- **Color:** Off white to tan
- **Odor:** Odorless to slightly marine.
- **Melting / Freezing Point (Specify):** No Data Available
- **Initial Boiling Point & Boiling Range:** No Data Available
- **Flash Point:** No Data Available
- **Evaporation Rate:** No Data Available
- **Flammability (solid, gas):** upper: No Data Available, lower: No Data Available
- **Explosive Limits:** No Data Available
- **Vapor Pressure:** No Data Available
- **Vapor Density:** No Data Available
- **Relative Density:** 0.5-0.8 g/cc
- **Partition Coefficient (n-octanol/water):** No Data Available
- **Oxidizing Properties:** No Data Available
- **Viscosity:** No Data Available

**Section 10 - STABILITY and REACTIVITY**

**10.1 Reactivity**

- Mild reactivity with water.

**10.2 Chemical stability**

- Stable in dry, ambient environments.

**10.3 Possibility of hazardous reactions**

- NA

**10.4 Conditions to avoid**

- Avoid humid or hot conditions.

**10.5 Incompatible materials**

- NA

**10.6 Hazardous decomposition products**

- NA

**Section 11 - TOXICOLOGY INFORMATION**

**11.1 Information on toxicological effects**

- Toxicology Data:
  - The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

- **Acute Toxicity:**
  - Oral LD₅₀: 5,650mg/kg (Rat)
  - Inhalation: >0.93 mg/l (4hr) (Rat)

- **Skin Corrosion/Irritation:**
  - Dust can cause irritation if allowed to accumulate.

- **Serious Eye Damage/Eye Irritation:**
  - Direct contact with eyes or excess airborne dust can cause eye irritation.

- **Respiratory or Skin Sensitization:**
  - Airborne powder in high concentrations may cause irritation. See Section 8 for exposure limits.

- **STOT - Single Exposure:**
  - Not Classified

- **STOT - Repeated Exposure:**
  - Not Classified

- **Aspiration Hazard:**
  - Aspiration may cause chemical pneumonitis. Excessive inhalation of dust can mechanically impede respiration.

**11.2 Further Information**

- **Mutagenicity:** None Known
- **Carcinogenicity:** None Known
- **Productive Toxicity:** None Known
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**Product Identifier:** Kick Carrageenan G

#### Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity
- No Data Available

12.2 Persistence and degradability
- Product is biodegradable

12.3 Bioaccumulative potential
- Not expected to bioaccumulate.

12.4 Mobility in soil
- No Data Available

12.5 Other adverse effects
- No Data Available

#### Section 13 - DISPOSAL CONSIDERATIONS

Substance: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Section 14 - TRANSPORTATION INFORMATION

| UN Number: | Not Applicable |
| Class:     | Not Applicable |
| Proper Shipping Name: | Not Applicable |
| Packing Group: | Not Applicable |
| Marine Pollutant: | Not Applicable |
| Other Applicable Information: | Not Applicable |

#### Section 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<table>
<thead>
<tr>
<th>International Inventories:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA: Yes</td>
</tr>
<tr>
<td>CERCLA:</td>
</tr>
<tr>
<td>SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.</td>
</tr>
<tr>
<td>SARA 311/312: Not Applicable</td>
</tr>
<tr>
<td>California Prop. 65 Components:</td>
</tr>
</tbody>
</table>

This product does not contain any Proposition 65 chemicals.

#### Section 16 - OTHER INFORMATION

- **Product Names/Number(s):** Kick Carrageenan G - KICKCARR-G-10KG
- **Prepared By:** Gusmer Enterprises, Inc.
- **Name of Preparer:** Eric Anderson
- **Title:** Corporate Safety & Regulatory Manager
- **Date:** 9/7/2018

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**GRS Hazard Warning Label**

- No Hazard Warning Label Required.
- Not considered a hazardous material when used in its normal state and use.