Genesis Enterprises, Inc.

SAFETY DATA SHEET FORM

Section 1 - PRODUCT and COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: Kick Carrageenan T/Micro-T
Product Code(s): KICKCARR-T-1KG, KICKCARR-T-10KG, KICKCARR-MT-1KG, KICKCARR-MT-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: Genesis Enterprises, Inc.
Postal Address: 81 M Street, Fresno, CA 93721 USA
Telephone Number: (01)(559) 485-2692 [product info]

Friday - Monday 8:00am-5:00pm CST

1.4 Emergency telephone number

Medical Emergency: 911
Chemical Emergency: (800) 424-9300

Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2
Specific Target Organ Toxicity (Single Exposure): Respiratory System - Category 3

2.2 Label Elements

Hazard Pictogram(s): 
Signal Word: Warning

Hazard Statements: 
Precautionary Statements:
Causes serious eye irritation
Causes skin irritation
May cause respiratory irritation
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well ventilated area.
If in eyes: 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 inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell.
If on skin: Wash with soap and water and rinse for at least 5 minutes. If skin irritation occurs: Get medical attention.
Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Dispose of contents/container to an approved waste disposal plant.

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>20-40%</td>
<td>9000-07-1</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>NA</td>
<td>26-52%</td>
<td>144-55-8</td>
</tr>
<tr>
<td>Malic Acid</td>
<td>NA</td>
<td>20-30%</td>
<td>6915-15-7</td>
</tr>
</tbody>
</table>

Any remaining components do not contribute to the hazards of this material.

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

Section 4 - FIRST AID MEASURES

4.1 Description of the first aid measures

Eye Contact: Eye irritant. May cause serious eye irritation or eye burns. Avoid direct contact with eyes and excessive dust.
Inhalation: Excessive airborne dust may cause irritation.
Ingestion: Severe medical attention if directly ingested. Choking hazard.

4.2 Most important symptoms and effects, both acute and delayed

Chronic Effects: NA

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Aspiration or inhalation 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.
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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.

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 insufficient 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 cool, dry location.

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
Normal Handling Conditions
For occupational/workplace settings: Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Off-white to tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless to slightly marine</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>None</td>
</tr>
<tr>
<td>Melting Point</td>
<td>5-11</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation Range</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.9-0.8 g/cc</td>
</tr>
<tr>
<td>Solubility in octanol/water</td>
<td>Soluble in &gt;70°C water. Gels on cooling.</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>

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
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Product Identifier: Kick Carrageenan T/Micro-T

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.

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity: Oral LD&lt;sub&gt;50&lt;/sub&gt;</td>
<td>7.3 g/kg</td>
</tr>
<tr>
<td>Acute Toxicity: Dermal LD&lt;sub&gt;50&lt;/sub&gt;</td>
<td>&gt;4.7 mg/l/4h</td>
</tr>
<tr>
<td>Acute Toxicity: Inhalation</td>
<td>&gt;0.93 mg/l (4h) (Rat)</td>
</tr>
</tbody>
</table>

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 serious eye damage and irritation.

Respiratory or Skin Sensitization: Airborne powder in high concentration 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
Productive Toxicity: None Known
Carcinogenicity: Not Classified

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

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

Section 15 - REGULATORY INFORMATION

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

International Inventories:
<table>
<thead>
<tr>
<th>Substance</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>ENELCS</th>
<th>EFCS</th>
<th>EINECS</th>
<th>SI</th>
<th>PICCS</th>
<th>AICS</th>
<th>IECS</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malic Acid</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>ENELCS: 230-022-8</td>
<td>ENELCS: No</td>
<td>NLP: No</td>
<td>PICCS: Yes</td>
<td>ENELCS: Yes</td>
<td>AICS: Yes</td>
<td>IECS: Yes</td>
<td>KECL: Yes</td>
</tr>
</tbody>
</table>

CERCLA: Not Applicable
SARA 311/312: 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.
SARA 313: See section 7 for more information

California Prop. 65 Components:
This product does not contain any Proposition 65 chemicals.

Section 16 - OTHER INFORMATION

Product Names/Number(s):
Kick Carrageenan T - KICKCARR-T-1KG
Kick Carrageenan T - KICKCARR-T-10KG
Kick Carrageenan Micro-T - KICKCARR-MT-1KG
Kick Carrageenan Micro-T - KICKCARR-MT-10KG

Prepared By: Gusmer Enterprises, Inc.
Name of Preparer: Eric Anderson
Title: Corporate Safety & Regulatory Manager
Date: 9/7/2018

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## SAFETY DATA SHEET FORM

**Product Identifier:** Kick Carrageenan T/Micro-T

### GHS Hazard Warning Label

**Kick Carrageenan T/Micro-T:**

**Warning:**
- Causes serious eye irritation
- Causes skin irritation
- May cause respiratory irritation

Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/mist/vapors/spray. Use only outdoors or in a well ventilated area. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists get medical attention. If on skin: wash with plenty of water. If skin irritation occurs get medical attention. If skin irritation occurs get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container to an approved waste disposal plant.

Gusmer Enterprises Inc.
81 M St. Fresno, CA 93721 (559) 485-2602
1401 Ware Street, Waupaca, WI 54981 (715) 258-5525

CONSULT SDS FOR ADDITIONAL INFORMATION ON HAZARD

V2.0