

<b>04821-1001</b>
<b>-1005</b>

**MSDS MATERIAL SAFETY DATA SHEET**

RUPERT, GIBBON &amp; SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

**Carageenan****MSDS No: #003 Date: 09/16/10****1. Product Identification****Product Name:** Carageenan  
**Product Code:** #003**2. Hazardous Ingredients****Hazardous Components:** None**3. Physical Data****Boiling Point:** N/A  
**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Solubility in Water:** 10% maximum  
**Appearance:** Dry powder, slight marine odor  
**Specific Gravity:** approx. 1gm/cc  
**Melting Point:** N/A  
**pH:** 7.0-10.5  
**Density:** N/A**4. Fire and Explosive Data****Flash Point:** N/A  
**Extinguishing Media:** Water, CO2, etc  
**Special Fire Fighting Procedures:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, such as self-contained breathing apparatus  
**Unusual Fire or Explosive Hazards:** Will produce oxides of sulfur upon burning**5. Reactivity Data****Stability:** Stable  
**Conditions to Avoid:** None  
**Incompatibility (materials to avoid):** None  
**Hazardous Decomposition Products:** Remote possibility of ignition, which may release sulfuric acid fumes  
**Polymerization:** Will not occur**6. Health Effects Data****Routes of Entry:** no significant hazard expected.  
**Acute:** may produce very minimal irritation to eyes or skin  
**Chronic:** Feeding studies with carageenan in rats and hamsters for their lifetimes, and in monkeys for 7.5 years were negative, as were reproductive outcome and mutagenicity studies. Low exposure in rats produced an immune function suppression that was not seen at high exposure. Excessive concentrations of dust in the workroom may seriously reduce visibility and may cause unpleasant deposits in the eyes, ears and nasal passages.  
**Carcinogenic:** N/A  
**Signs & Symptoms of Exposure:** N/A  
**Medical Conditions Aggravated by Exposure:** None known

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**7. Emergency and First Aid Procedures**

**Eye Contact:** Flush with water for 15 minutes. If irritation persists seek medical attention.

**Skin Contact:** Wash affected areas with soap and water. If irritation develops consult a physician.

**Inhalation:** Remove to fresh air. If discomfort occurs, seek medical attention.

**Ingestion:** Drink plenty of water. If a very large amount is swallowed, induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Seek medical attention.

**8. Employee Protection Recommendations**

**Eye Protection:** Chemical goggles

**Skin Protection:** None

**Respiratory Protection:** NIOSH approved dust mask

**Ventilation:** Use local exhaust

**Storage & Handling:** Store in a dry area for product quality assurance.

**9. Spill or Leak Procedures**

**In Case Material is Released/Spilled:** Maintain good housekeeping practices to minimize accumulation of settled dust. Sweep up the spilled material and dispose of in accordance with all Federal, state and local regulations.

**Waste Disposal Method:** Dispose of in a manner that is in accordance with all Federal, state and local regulations.

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