

MSDS Rec'd 10.18.05

04821-1001
1005**MATERIAL SAFETY DATA SHEET**

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

Carageenan

MSDS No: #003

Effective Date: 03/26/04

Amendatory Date: 03/26/04

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. 1 gm/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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