



Canadian Agri Products(USA) Corp.

Chemicals to Trade, Experience to Remember

Material Safety Data Sheet (MSDS)

CARRAGEENAN

1. Identification of the substance	PRODUCT NAME: Carrageenan SYNONYM: Gum Carrageenan MOLECULAR WEIGHT: NA CAS NO.: 9000-07-1		
2. Composition /information on ingredients	CAS NUMBER 9000-07-1 EINECS/ELINCS 232-524-2 HAZARD SYMBOLS NONE		
3. Hazards identification	<table><tr><td>HMIS rating Health: 1 Flammability: 1 Reactivity: 0</td><td>NFPA rating Health: 1 Flammability: 1 Reactivity: 0</td></tr></table>	HMIS rating Health: 1 Flammability: 1 Reactivity: 0	NFPA rating Health: 1 Flammability: 1 Reactivity: 0
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4. First aid measures	Oral exposure If swallowed, wash out mouth with water provided person is conscious. Call a physician. Inhalation exposure If inhaled, remove to fresh air. If breathing becomes difficult, call a physician. Dermal exposure In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician. Eye exposure In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.		
5. Fire fighting measures	Flash point N/A Autoignition temp N/A Flammability N/A Extinguishing media Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam. Firefighting Protective Equipment: Wear self-contained breathing apparatus and protective		



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	<p>clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.</p>
6. Accidental release measures	<p><u>Procedure(s) of personal precaution(s)</u> Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust. <u>Methods for cleaning up</u> Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.</p>
7. Handling and storage	<p><u>Handling</u> User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. <u>Storage</u> Suitable: Keep tightly closed. <u>Special requirements</u> Moisture sensitive.</p>
8. Exposure controls/personal protection	<p><u>Engineering controls</u> Safety shower and eye bath required. Mechanical exhaust required. <u>Personal protective equipment</u> Respiratory: Wear dust mask. Hand: Protective gloves. Eye: Chemical safety goggles. <u>General hygiene measures</u> Wash thoroughly after handling.</p>
9. Physical and chemical properties	<p>Physical State: Solid Color: Faintly beige Form: Powder Molecular Weight: N/A Molecular Formula: N/A pH: N/A Boiling Point: N/A Freezing/Melting Point: N/A Flash Point: N/A Decomposition Temperature: N/A Autoignition Temperature: N/A Vapor Pressure: N/A Vapor Density: N/A Saturated Vapor: N/A Density: N/A Bulk Density: N/A Odor Threshold: N/A Volatile: N/A</p>



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	<p>Evaporation Rate: N/A Viscosity: N/A Surface Tension: N/A Partition Coefficient: N/A Explosion Limits: N/A Flammability: N/A Refractive Index: N/A Optical Rotation: N/A Solubility: N/A N/A: Not Available</p>
10. Stability and reactivity	<p><u>Stability</u> Stable: Stable. Condition to Avoid: Moisture. Materials to Avoid: Strong oxidizing agents. <u>Hazardous decomposition products</u> Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide. <u>Hazardous polymerization</u> Hazardous Polymerization: Will not occur.</p>
11. Toxicological information	<p><u>Route of exposure</u> Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. <u>Signs and symptoms of exposure</u> To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. <u>Toxicity data</u> Oral LD50: 11000 mg/kg (rat)</p>
12. Ecological information	<p>No Data Available</p>
13. Disposal considerations	<p><u>Appropriate method of disposal of substance or preparation</u> Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.</p>
14. Transport information	<p><u>DOT</u> Proper Shipping Name: None</p>



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	Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.
15. Regulatory information	US regulatory information SARA listed: No TSCA inventory item: Yes Canada regulatory information WHMIS classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: Yes NDSL: No
16. Other information	

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.

All non-emergency questions should be Directed to Customer Service at

972-618-4200

24 hour emergency Telephone: Chemtrec 800-424-9300
National response in Canada: Canutec 613-996-6666
Outside US & Canada: Chemtrec: 202-483-7616

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.