



Kumar Organic Products Limited

Carrageenan

1. Product and Company Identification.

Chemical Name : Carrageenan
Trade Name : Carrageenan
Generic Name : Carrageenan
Products Code : K 023
Manufacturer Name : Kumar Organic Products Limited
Plot No#36, Road No#3, Jigani Industrial Area, Anekal Taluk,
Bangalore, Karnataka, India
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Fax: +91-080-27825439
Email: sales@kumarorganic.net

2. Composition/Information on Ingredients

Composition : Carrageenan
CAS No. : 9000-07-1

3. Hazards Identification.

Human Health Effects:

- A. Effects of Inhalation : May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.
- B. Effects of Skin Contact : May cause Irritating.
- C. Effect of eye contact : No known effect on eye contact.
- D. Effect of ingestion : May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Environmental effects

Toxic to aquatic organisms: In the aquatic environment, it may cause long term adverse effects.

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4. First Aid Measures.

| | |
|---------------------|--|
| General | : Remove subject from exposed areas. Remove contaminated clothing immediately. Treat symptomatically & supportively. |
| A. After Inhalation | : Allow to victim in a well ventilated area and seek immediate medical attention. |
| B. For Skin | : After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash and the contaminated skin with running water & non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with emollients. If irritation persists, seek medical attention. Wash contaminated clothing before using. |
| C. For Eyes | : Rinse with water for a few minutes. |
| D. After Ingestion | : Do not induce vomiting; loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. |

5. Fire Fighting Measures.

| | |
|------------------------------|---|
| General Information | : As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion |
| Suitable extinguishing media | |
| Small fire | : use dry chemical powder |
| Large fire | : Use water spray, fog or foam. Do not use water jet. |
| Fire fighting procedures | : As with all fires, evacuate personnel to a safe area. Equipment Fire fighters should use self contained breathing and protective clothing. |
| Flash point | : Not applicable |
| Auto ignition temperature | : Not applicable. |
| NFPA Rating | : (estimated) Health: 1; Flammability: 0; Instability: 0 |

6. Accidental Release Measures.

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| Spill/leak response | : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of accordingly to local regional authority requirements. |
|---------------------|--|

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Disposal : Disposal of waste in accordance with all applicable federal, state and local laws.

7. Handling & Storage.

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage : Keep container dry. Keep it cool place. Ground all equipment containing material. Keep container tightly closed. Keep in cool, well-ventilated place. Combustible materials should be stored away from extreme heat away from strong oxidizing agents.

8. Exposure Control & Personal Protection.

Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generated dust, fume or mist, use ventilated to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipments

Eyes : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin : Wear appropriate protective gloves to prevent skin exposure. Clothing :

Wear appropriate protective clothing to prevent skin exposure.

Respirators : A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Work practices : Eye wash facilities and a safety shower should be easily accessible. Before breaks and at the end of work thoroughly wash hands with soap and water. Wash contaminated clothing before reuse.

Environmental exposure controls : All necessary precautions must be taken to avoid release into the environment. Refer to local, state or national legislation for environmental and pollution control.

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9. Physical & Chemical Properties.

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|-------------------------------|------------------|
| Appearance | : Solid |
| Odor | : None reported |
| pH value (5 % in pH 7 water) | : Not available. |
| Vapor pressure | : Not available. |
| Boiling point | : Not available. |
| Solubility in Water | : Insoluble |

10. Stability & Reactivity.

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| Stability | : Stable under normal temperature & pressure. |
| Condition to avoid | : Incompatible materials, dust generation, excess heat, strong oxidants. |
| Incompatibilities with Other Materials | : Oxidizing agents. |
| Hazardous Decomposition Products | : Not available. |
| Hazardous Polymerization | : Has not been reported. |

11. Toxicological Data.

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| Carcinogenicity | : Not listed by ACGIH, IARC, NTP, or CA Prop 65. |
| Epidemiology | : No information found. |
| Mutagenicity | : No information found |

12. Ecological Data.

No information available

13. Disposal Considerations.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification

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14. Transport Information.

Not regulated as a hazardous material in US DOT.

16. Other Information.

The information contained in the MSDS has been compiled from data considered accurate. The data is believed to be reliable. This data is not to be construed as absolutely complete, since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product.

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