

**Material Safety Data Sheet (MSDS)**

Gellan Gum Application	
1.PRODUCT IDENTIFICATION	2.PHYSICAL & CHEMICAL PROPERTIES
<p>White to yellow-white powder which is soluble in water and which builds various forms of gels with the help of different salts. Very diversified</p> <p>Product Name: Gellan Gum            Chemical Name: Not available            Chemical Formula: Not available.            CAS Number: 71010-52-1            Origin: Micro-bacteria Fermentation</p>	<p>Melting Point: Not available            Boiling Point: Not available            Flash Point: Not available            Density: Not available            Vapor Pressure: Not available            Dispersion Properties: See solubility in water.            Solubility: Partially soluble in cold water.            pH (1% solution/water): 7 [Neutral.]</p>
3.STABILITY & REACTIVITY	4.HANDLING & STORAGE
<p>Stability: The product is stable.            Instability Temperature: Not available.            Conditions of Instability: Not available.            Incompatibility with various substances: Not available.            Polymerization: No.</p>	<p>Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.</p>
5.ACCIDENTAL RELEASE MEASURES	6.EXPOSURE CONTROLS & PERSONAL PROTECTION
<p>Small Spill: 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 according to local and regional authority requirements.</p>	<p>Respiratory Protection: Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment. Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield</p>

<p>Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.</p>	<p>recommended for eye protection. Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.</p>
<p>7.HAZARDS IDENTIFICATION</p>	<p>8.FIRST AID MEASURES</p>
<p>Inhalation: Inhalation of dust may be irritating to the respiratory system causing cough and sore throat. Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. Repeated or prolonged exposure is not known to aggravate medical condition.</p>	<p>Eyes: Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist. Skin: Wash exposed areas of the body with plenty of water &amp; soap. Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist. Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention.</p>
<p>9.FIRE FIGHTING MEASURES</p>	<p>10.TOXICOLOGICAL INFORMATION</p>
<p>Flammability: may be combustible at high temperatures Extinguishing Media: foam, carbon dioxide for large fires; dry powder for small fires Do not use water jet. Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.</p>	<p>ORAL (LD50): Acute: ≥5000 mg/kg [Rat]. Chronic Effects on Humans: Not available. Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. Special Remarks on Toxicity to Animals: Not available.</p>
<p>11.TRANSPORT INFORMATION</p>	<p>12.DISCLAIMER</p>
<p>DOT Classification: Not a DOT controlled material (United States). Identification: Not applicable. Special Provisions for Transport: Not applicable. Air Transport IATA: Refer to corresponding hazard class</p>	<p>This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company s knowledge and believed accurate and</p>

	<p>reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability &amp; completeness of such information for his own particular use.</p>
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