



# maple biotech pvt. ltd.

Works: J-253, M.I.D.C. Bhosari, Pune 411 026, India  
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<b>CARBOXY METHYL STARCH</b>					
<b>Material Safety Data Sheet</b>					
<b>Section I</b>					
<b>Manufacture's Name:</b> MAPLE BIOTECH PVT. LTD.			<b>Emergency Telephone No.</b> + 91 20 2747 0010		
<b>Address (Name, Street, City, State, &amp; Zip Code):</b> J-253, MIDC, BHOSARI, PUNE 411 026, INDIA					
<b>Chemical Name &amp; Synonyms:</b> Carboxy Methyl Starch			<b>Trade Name &amp; Synonyms:</b> CELTAB, Sodium Starch Glycollate		
<b>Chemical Family:</b>			<b>Formula:</b> -H{(C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> )(CH <sub>3</sub> COONa) <sub>x</sub> } <sub>n</sub> -OH		
<b>CAS No.</b>			<b>9063-38-1</b>		
Starch Ether			x= 0.1 to 0.5 n= Number of glucose repeating units in Starch		
<b>Section II (Hazardous Ingredients)</b>					
<b>Paints, Preservatives, &amp; Solvents</b>	<b>%</b>	<b>TLV Units</b>	<b>Alloys &amp; Metallic Coatings</b>	<b>%</b>	<b>TLV Units</b>
Pigments		N/A	Base Metal		N/A
Catalyst		N/A	Alloys		N/A
Vehicle		N/A	Metallic Coatings		N/A
Solvents		N/A	Filler Metal		N/A
Additives		N/A	Others		N/A
Others		N/A			
Hazardous Mixtures of Other Liquids, Solids, or Gases					
<b>SECTION III (Physical Data)</b>					



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Boiling Point (F)	N/A	Specific Gravity (H2O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	% Volatile by Volume	N/A
Vapor Density (air = 1)	N/A	Evaporation Rate	N/A
Solubility in Water	Forms Gel		
<b>Appearance &amp; Odor:</b> White powder			
<b>Section IV (Fire &amp; Explosion Hazards Data)</b>			
<b>Flash Point:</b> 750°F (398°C)		<b>Flammable Limits:</b> N/A	
<b>Extinguishing Media:</b> Water, carbon dioxide, dry chemical powder, or foam.			
<b>Special fire fighting procedures:</b> Firefighter must wear SCBA & full protective clothing			
<b>Unusual Fire &amp; Explosion Hazards:</b> Can create a dust explosion, also emits toxic fumes under fire conditions.			
April 2004			

<b>SECTION V (Health Hazard Data)</b>			
<b>Threshold Limit Value:</b> N/A			
<b>Effects of Overexposure:</b> May be harmful by inhalation, ingestion, or skin absorption. May cause eye and skin irritation.			
<b>Emergency &amp; First Aide Procedures:</b> In case of contact immediately wash skin with soap and copious amounts of water. EYES: flush with copious amounts of water for 15 min. Assure adequate flushing of eyes by separating eye lids. If inhaled remove to fresh air. Remove and wash contaminated clothing promptly.			



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<b>SECTION VI (Reactivity Data)</b>			
Stability	Stable	Stable	<b>Conditions to avoid: Very High Temperatures</b>
			Exposure to humid air
<b>Incompatibility (materials to avoid):</b>			
<b>Hazardous Decomposition Products:</b>			
Hazardous Polymerization	Will not Occur		<b>Conditions to avoid:</b>
<b>SECTION VII (Spills or Leak Procedures)</b>			
<b>Steps if material is released or spilled:</b> Do not raise dust. Sweep up material and put into container for disposal. Wash & ventilate spill site.			
<b>Waste Disposal Method:</b> Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with afterburner and scrubber. Observe Federal, State, and Local Laws.			
<b>Section VIII (Special Protection Information)</b>			
<b>Respiratory Protection (Specify type):</b> NIOSH/MSHA approved respirator.			
<b>Ventilation:</b>	<b>Local Exhaust:</b>	<b>Special:</b>	
	<b>Mechanical: Required</b>	<b>Other:</b>	
<b>Protective Gloves:</b> Chemical resistant gloves			
<b>Eye Protection :</b> Safety goggles			
<b>Other Protective Equipment:</b> Rubber boots & protective clothing			
<b>SECTION IX (Special Precautions)</b>			
<b>Precautions in Handling &amp; Storing:</b> Store in a cool dry place. Keep storage container tightly closed.			
<b>Other Precautions:</b> Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not breathe dust.			