



Safety Data Sheet
PhytoSpherix™

Section 1: IDENTIFICATION			
Supplier's Details Mirexus Inc. 574 Hanlon Creek Boulevard Guelph, ON Canada N1C 0A1	Emergency Phone Number 1-519-829-1221	Trade Name PhytoSpherix™	Synonyms Phytoglycogen
		Recommended Use Multifunctional additive for personal care and cosmetics	
Section 2: HAZARD IDENTIFICATION			
GHS Classification and Label Elements Category: Not classified as hazardous according to GHS. Signal Word(s): None Hazard Statement(s): None Pictogram(s): None Precautionary Statements: None Other hazards: Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.			
Section 3: COMPOSITION/INFORMATION ON INGREDIENTS			
CAS # 9005-79-2	Common name PhytoSpherix™	Chemical name Glycogen	% by Weight 100
Section 4: FIRST-AID MEASURES			
Skin contact: Wash with soap and plenty of water. Inhalation: If inhaled, move person into fresh air. If symptoms persist, get medical attention. Eye contact: Immediately flush eyes with water for at least 15 minutes. Ingestion: Rinse mouth with water and consult physician if irritation occurs.			
Section 5: FIRE-FIGHTING MEASURES			
Suitable extinguishing media: Dry chemical powder, water spray, fog or foam. Specific hazards: This product is a combustible dust and as such is a potential fire hazard/dust explosion hazard. Avoid creation of airborne dust. Decomposition products: Carbon dioxide and water. Special protective actions for fire-fighters: Self-contained breathing apparatus.			
Section 6: ACCIDENTAL RELEASE MEASURES			
Procedures for release or spill Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Nonsparking tools should be used. Personal protective equipment Wear NIOSH approved dust mask and clean up using methods that minimize the formation of airborne dust. Environmental precautions Prevent from spilling into drains and waterways.			
Section 7: HANDLING AND STORAGE			
Handling and general hygiene Minimize the creation of airborne dust. Practice good housekeeping in handling areas to ensure that dust does not accumulate on surfaces. Conditions for safe storage: Practice good housekeeping in storage areas. Store away from heat, sparks, or other flame sources.			

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION				
Engineering controls	Use appropriate local exhaust ventilation.			
Personal protection	Wear safety glasses and use a NIOSH approved dust mask in situations where nuisance dust becomes airborne.			
Exposure limits	Not available			
Section 9: PHYSICAL AND CHEMICAL PROPERTIES				
Appearance	Odour	Odour threshold	pH	Melting point/freezing point
White powder	Neutral odour	Not available	Not available	decomposes/not available
Initial boiling point/range	Flash Point	Evaporation Rate	Flammability	Upper/Lower flammability limits
Not available	Not available	Not available	Combustible dust	Not available
Vapour pressure	Vapour Density	Relative Density	Solubility	Partition coefficient
Not available	Not available	520 kg/m ³ (bulk, loose)	soluble in water	Not available
Auto-ignition temperature	Decomposition temperature		Viscosity	
Not available	Not available		Not available	
Section 10: STABILITY AND REACTIVITY				
Chemical Stability	Hazardous Reactions		Conditions to Avoid	
Stable	Hazardous polymerization will not occur		Avoid creation of airborne dust and exposure to heat, sparks and flames	
Incompatible Materials	Decomposition Products			
None	Carbon monoxide, carbon dioxide and water			
Section 11: TOXICOLOGICAL INFORMATION				
Potential health effects (acute and chronic):				
Acute toxicity	Skin Contact		Eye Contact	
Not classified as acutely toxic.	May cause irritation		Mechanical irritation may occur	
Inhalation This product can produce a nuisance dust which may irritate the respiratory tract. Avoid prolonged or repeated inhalation of dust.				
Germ cell mutagenicity	Carcinogenicity		Reproductive toxicity	
Not available	Not available		Not available	
STOT-single exposure	STOT-repeated exposure			
Not available	Not available			
Section 12: ECOLOGICAL INFORMATION				
Toxicity	Persistence and degradability	Bioaccumulative potential	Mobility in Soil	
Not available	Not available	Not available	Not available	
Section 13: DISPOSAL CONSIDERATIONS				
Disposal method	Prior to disposal, consult state and local regulatory agencies.			
Section 14: TRANSPORTATION				
Not classified as a hazardous substance for transportation by road, rail, sea or air.				
Environmental Hazards Not a marine pollutant				
Section 15: REGULATORY INFORMATION				
DSL: All ingredients/components are listed on the DSL. TSCA: All ingredients/components are listed on the TSCA registry.				
Section 16: OTHER INFORMATION				
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