

## MATERIAL SAFETY DATA SHEET

Revision date: 1-Sept.-2015

Version:  
2.0

Page 1 of 4

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Material Name: Empty Pullulan Capsules**

Trade Name: Not determined  
Chemical Family: Not determined  
Intended Use: Not determined

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EU EINECS List	%
Non-hazardous ingredients	NOT APPLICABLE	Not listed	100

**Additional Information:**

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.  
This product may contain small quantities of miscellaneous coloring agents that may have daily intake limits in some countries. Consult the formula submitted for specific product composition information. Refer to local regulations for acceptable daily intake limits of these agents

### 3. HAZARDS IDENTIFICATION

**Appearance:** No information available

**Statement of Hazard:** Non-hazardous in accordance with international standards for workplace safety.

**Additional Hazard Information:**

**Short Term:** None known; however, direct contact with any foreign material may cause eye irritation.  
**EU Indication of danger:** Not classified

**Additional Information:**

**Note:** For a more detailed discussion of potential health hazards and toxicity see Section 11.  
This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### 4. FIRST AID MEASURES

**Eye Contact:** Due to the nature of this material first aid is not normally required.

**MATERIAL SAFETY DATA SHEET**

**Material Name:** Empty Pullulan Capsules  
**Revision date:** 1-Sept.-2015

**Page 2 of 4**  
**Version: 2.0**

**Skin Contact:** Due to the nature of this material first aid is not normally required.

**Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

**Inhalation:** Due to the nature of this material first aid is not normally required.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use carbon dioxide, dry chemical, or water spray.

**Hazardous Combustion Products:** Formation of toxic gases is possible during heating or fire.

**Fire Fighting Procedures:** During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

**Fire / Explosion Hazards:** Not flammable.

**Additional Information:** This material is not a fire hazard under normal conditions of use.

**6. ACCIDENTAL RELEASE MEASURES**

**Health and Safety Precautions:** Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

**Measures for Cleaning / Collecting:** Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

**Measures for Environmental Protections:** Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

**Additional Consideration for Large Spills:** Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

**7. HANDLING AND STORAGE**

**General Handling:** No special handling requirements for normal use of this material.

**Storage Conditions:** Store in a cool, dry, well-ventilated area.

**Storage Temperature:** No data available

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**No Occupational Exposure Limit (OEL) or Short Term Exposure Limit (STEL) has been identified.**

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Personal Protective Equipment:**

**Hands:** None required under normal and foreseeable conditions of use.  
**Eyes:** Not required under normal conditions of use.  
**Skin:** None required under normal and foreseeable conditions of use.  
**Respiratory protection:** None required under normal conditions of use.

**MATERIAL SAFETY DATA SHEET**Material Name: Empty Pullulan Capsules  
Revision date: 1-Sept.-2015Page 3 of 4  
Version: 2.0**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Physical State:</b>	Solid	<b>Color:</b>	According to product specification
<b>Odor:</b>	Odorless	<b>Molecular Formula:</b>	Mixture
<b>Molecular Weight:</b>	Mixture		
<b>Solubility:</b>	Soluble: Water		
<b>Relative Density:</b>	Variable		

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions of use.
<b>Conditions to Avoid:</b>	None known
<b>Incompatible Materials:</b>	None known

**Hazardous Decomposition Products:** None known**11. TOXICOLOGICAL INFORMATION**

<b>General Information:</b>	When used and handled according to specification, the product does not have any harmful effects according to our experience and the information provided to us.
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<b>Carcinogen Status:</b>	None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.
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**12. ECOLOGICAL INFORMATION**

<b>Environmental Overview:</b>	Low toxicity to fish
<b>Bioaccumulation and Toxicity:</b>	Slowly biodegradable

**13. DISPOSAL CONSIDERATIONS**

<b>Disposal Procedures:</b>	Observe all local and national regulations when disposing of this material.
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**14. TRANSPORT INFORMATION**

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

**15. REGULATORY INFORMATION**

<b>EU Indication of danger:</b>	Not classified
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**MATERIAL SAFETY DATA SHEET**

**Material Name:** Empty Pullulan Capsules  
**Revision date:** 1-Sept.-2015

**Page 4 of 4**  
**Version: 2.0**

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**OSHA Label:**

None required  
Non-hazardous in accordance with international standards for workplace safety.

**Canada - WHMIS: Classifications**

**WHMIS hazard class:**

None required  
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**16. OTHER INFORMATION**

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**Prepared by:** Toxicology and Hazard Communication  
Guangsheng Environment, Health, and Safety

Guangsheng believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without a warranty of any kind, expressed or implied.

**End of Safety Data Sheet**

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