

# Material Safety Data Sheet

## $\beta$ -Glucan MSDS

### Section 1: Chemical Product and Company Identification

**Product Name:**  $\beta$ -1,3-Glucan **Supplier:** Sichuan Synlight Biotech Ltd.  
**Address:** Rm. 703&704, B6 Building, No. 88 South Keyuan Rd., TLSP, Chengdu.  
**E-mail:** [duyanjun@synlight.com.cn](mailto:duyanjun@synlight.com.cn) **Emergency Tel:** (028) 65028669 **Fax:** (028) 65028670  
**MSDS No.:** **Valid Date:**  
**National Emergency Tel:** (0532) 83889090; (0532) 83889191

### Section 2: Composition and Information on Ingredients

Pure Chemicals	Mixture	
<b>Chemical Name:</b> $\beta$ -1,3-Glucan		
<b>Injurious Ingredient</b>	<b>Concentration</b>	<b>CAS No.</b>
None		

### Section 3: Hazards Identification

**Hazards Identification:** Not available.  
**Routes of Entry:** Inhalation. Ingestion.  
**Potential Health Effects:** Not available.  
**Potential Environmental Hazards:** Not available.  
**Potential Combustion Hazards:** Not available.

### Section 4: First Aid Measures

#### Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

#### Skin Contact

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Serious Skin Contact:** Not available.

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation:** Not available.

### **Ingestion**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## **Section 5: Fire and Explosion Data**

### **Fire and Explosion Hazards**

Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

**Hazardous Combustion Product:** None.

### **Fire Fighting Media and Instructions**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## **Section 6: Accidental Release Measures**

### **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.

### **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.

## **Section 7: Handling and Storage**

### **Precautions**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

### **Storage**

Light Sensitive. Store in light-resistant container. Keep container tightly closed. Keep container in a cool, well-ventilated area. Refrigerate. Do not store above 50°C.

## **Section 8: Exposure Controls/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 generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection**

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

**Section 9: Physical and Chemical Properties**

**Physical state and appearance:** Powdered solid.

**Odor:** Not available.

**Taste:** Not available.

**Molecular Weight:** Not available.

**Colour:** Off-white.

**pH (1% soln/water):** Not available.

**Boiling Point:** Not available.

**Melting Point:** Not available.

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** Not available.

**Solubility:** Soluble in water and formed a gel-like solution; insoluble in organic solvents.

**Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat, incompatibles

**Incompatibility with various substances:** Strong oxidant

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** No information found.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## **Section 11: Toxicological Information**

### **Toxicity to Animals**

LD50: Not available. LC50: Not available.

**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.

**Special Remarks on Chronic Effects on Humans:** Not available.

### **Special Remarks on other Toxic Effects on Humans**

#### Acute Potential Health Effects

Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract and mucous membrane irritation. Ingestion: May cause gastrointestinal tract irritation.

#### Chronic Potential Health Effects

No information found at this time. The toxicological properties of this substance have not been fully investigated.

## **Section 12: Ecological Information**

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

### **Products of Biodegradation**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

## **Section 13: Disposal Considerations**

### **Waste Disposal**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## **Section 14: Transport Information**

**Identification:** Not applicable.

**UN No.:**

**Packing Mark:** Not available.

**Packing Group:**

**Packing Method:**

**Special Provisions for Transport**

When in the summer, it should be morning or night transported to prevent sunlight insolate. And you should transport according to the relevant provisions of the transportation route road.

### **Section 15: Other Regulatory Information**

No information found.

### **Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Synlight.com.cn be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Synlight.com.cn has been advised of the possibility of such damages.*