

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : Compound of Poly Lactic Acid (PLA)  
Product code : 2200 SPLA (GBP)  
Product use : For thermoforming of packages, injection molding , blown film and fiber applications.  
Manufacturer : Global Biopolymers Co., Ltd.  
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Wangthonglang, Bangkok 10310  
Thailand  
Tel. +662-995-3066 Fax. +662-995-3070  
E-mail : info@globalbiopolymers.com

## 2. COMPOSITION INFORMATION ON INGREDIENTS

This product contains base materials made from Poly Lactic Acid (PLA) or Polylactide resin (cas number 9051-89-2) and other additives , impact modifiers, coloring pigments.

## 3. HAZARDS IDENTIFICATION

Experience in use this product is no hazardous. Skin contact may cause mechanical irritation of skin. Eye contact with fibre dust may cause irritation or scratch the surface of the eyes.

## 4. FIRST AID MEASURES

Eye Contact : Flush eyes with water if irritation occurs.  
Skin Contact : If contact with molten product occurs, treat as for thermal burn  
Ingestion : Not ordinarily required.  
Inhalation : Not ordinarily required.

## 5. FIRE FIGHTING MEASURES

Extinguishing Media : Use water, foam, dry chemical or Carbon dioxide.  
Special Protective Equipment for Fire Fighters : Burnt material may create smoke or thermal decomposition products. Wear self-contained breathing apparatus meeting NIOSH standards.

## 6. ACCIDENTAL RELEASE MEASURES

Method for Cleaning Up : Wastages or debris from rolled sheet can be cleaned up by sweeping or vacuum up and place in a waste disposal container.

## **7. HANDLING AND STORAGE**

Handling : Treat as a solid that can burn. Adequate ventilation and/or engineering controls must be employed in high temperature processing to prevent exposure to potential toxic/irritating fumes.

Storage : Store away from oxidizing materials, in cool, dry place with adequate ventilation. Avoid direct exposure to strong heat . Avoid storing in conditions which are vulnerable to growth of molds and bacteria.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory Protection : Not ordinarily required.

Protective Clothing : Not ordinarily required

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : transparent or with color

Specific Gravity : 1.24 g/cm<sup>3</sup>

Odor : no odor

Solubility : Insoluble in water

Resistance to heat : to 135 C

Resistance to freezing : to – 40 degree C without deforming

Others : Compliance with food safety regulations.

Compostable and classified under biobased materials.

## **10. STABILITY AND REACTIVITY**

Stability : Stable in the atmosphere. Biodegradable in compostable condition.

Hazardous Decomposition : At processing temperature, some degree of thermal degradation will occur.

Materials to Avoid : Strong oxidizing agents, acid or alkaline.

Condition to Avoid : Temperature above 100 C

## **11. TOXICOLOGICAL INFORMATION**

This product is non toxic.

## **12. ECOLOGICAL INFORMATION**

This product is ecological friendly.

### **13. DISPOSAL CONSIDERATIONS**

All waste material should be packed, labelled, transported and disposed or reclaimed in conformance with applicable law and regulations and in conformance with good engineering practices.

### **14. TRANSPORT INFORMATION**

Ensure that rolls are protected from crushing with each other, sharp objects, rain or sea water. High stacking of rolls should be well secured to prevent accident.

### **15. REGULATORY INFORMATION**

Not Applicable

### **16. OTHER INFORMATION**

*The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.*