

**Material Safety Data Sheet**

April 29, 2010

**Product Name : Polylac<sup>®</sup>** PA-765 PA-765A PA-765B**1. COMPANY IDENTIFICATION**

Company Chi Mei Corporation  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                     | A  | Tetrabromobisphenol A  | Antimony Oxide                 |
|-----------------------------------|--|--|--------------------------------|
| Content                           | > 70 %   | < 17 %   | < 6 %                          |
| Formula                           | (C <sub>3</sub> H <sub>3</sub> N, C <sub>4</sub> H <sub>6</sub> , C <sub>8</sub> H <sub>8</sub> ) <sub>n</sub> | C <sub>15</sub> Br <sub>4</sub> O <sub>2</sub> H <sub>12</sub> | Sb <sub>2</sub> O <sub>3</sub> |
| CAS No.(TSCA No.)                 | 9003-56-9  | 79-94-7  | 1309-64-4                      |
| Impurities contributing to Hazard | None   |  |                                |
|                                   | A : Acrylonitrile-Butadiene-Styrene Copolymer  |  |                                |

**3. HAZARD IDENTIFICATION**

Most Important Hazards None  
Adverse Human Health Effects None  
Environmental Effects None  
Physical and Chemical Hazards None

**4. FIRST AID MEASURES**

Inhalation In case of gases evolving from melted resin, move subject to fresh air.  
Treat symptomatically.  
Skin Contact In case of pellets or powder, wash with water.  
In case of melt, wash affected skin area and clothing with plenty of (soap and) water.  
Seek medical advice.  
Eye Contact In case of pellets or powder, flush with plenty of water for at least 15 minutes.  
Seek medical advice if any dust particles still remain.  
In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.  
Ingestion Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

**5. FIRE-FIGHTING MEASURES**

Extinguishing Media Water, Foam, Dry chemical powder  
Special Fire-Fighting Procedure Self contained breathing apparatus  
Fire and Explosion Hazards None

**6. ACCIDENTAL RELEASE MEASURES**

Methods for Cleaning up Recovery if not contaminated or Disposal  
Personal Precautions Pellets or powder remained on ground may cause slipping  
Environmental Precautions Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.

**7. HANDLING AND STORAGE**

Handling Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.  
Storage Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

## 8.EXPOSURE CONTROLS / PERSONAL PROTECTION

|                       |             |   |
|-----------------------|-------------|---|
| Threshold Limit Value |             | Not determined  |
| Ventilation           |             | Necessary to exclude dust, fumes and gases.   |
| Personal Protection   | Eye         | Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines. |
|                       | Respiratory | Wear masks for cleaning molding machines.   |
|                       | Gloves      | Necessary for handling melted resin.  |

## 9.PHYSICAL AND CHEMICAL PROPERTIES

|                     |                        |
|---------------------|------------------------|
| Appearance          | Off white pellets      |
| Melting Temperature | Softening above 100 °C |
| Solubility          | Insoluble in water     |
| Specific Gravity    | 1.1650 ~ 1.1950        |

## 10.STABILITY AND REACTIVITY

|                             |   |
|-----------------------------|---|
| Flammability                | Yes   |
| Flash Point                 | 404 °C  |
| Auto-ignition Temperature   | 466 °C  |
| Reactivity with Water       | No  |
| Stability                   | Stable and non-reactive under normal handling and storage condition.  |
| Dust Explosion              | Possible if powder exists.<br>Explosion data for powder (< 145 mesh)<br>Lower explosion limit 45 g/m <sup>3</sup><br>Minimum ignition energy 3.6 mJ<br>Maximum explosion pressure 7 x 10 <sup>5</sup> Pa<br>Maximum pressure increase rate 3.2 x 10 <sup>7</sup> Pa/S |
| Thermal Decomposition Gases | CO, HCN, AN, SM and NO  |
| Combustion Energy           | 2.26 x 10 <sup>7</sup> J/kg (5400 Kcal/kg)  |

## 11.TOXICOLOGICAL INFORMATION

|                            |   |
|----------------------------|---|
| Irritation                 | Tetrabromobisphenol A : Slightly irritant to eyes and skin.<br>Acrylonitrile-butadiene-styrene copolymer : Fumes or vapors generated from decomposing resins may be irritant to eyes. |
| Acute oral toxicity (LD50) | Tetrabromobisphenol A : Weak<br>Acrylonitrile-butadiene-styrene copolymer : Not determined  |
| Mutagenicity               | Tetrabromobisphenol A : Not determined<br>Acrylonitrile-butadiene-styrene copolymer : Not determined  |

## 12.ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

## 13.DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

## 14.TRANSPORT INFORMATION

Not classified

## 15.REGULATORY INFORMATION

Not available

## 16.OTHER INFORMATION

None