Product Name : WONDERLOY® PC-510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

   Company       CHI MEI Corporation
   Address       59-1, San Chia, Jen Te Village, Tainan County, Taiwan, ROC.
   Information Phone No. 886-6-2663000 Ext.6122 (Safety & Health Development)
   Emergency Phone No. 886-6-2663000 Ext.6122 (Safety & Health Development)
   Fax No.        886-6-2660158
   Publication Date April 11, 2001

2. COMPOSITION / INFORMATION ON INGREDIENTS

   Chemical Name          Polycarbonate  ABS  Triphenyl phosphate
   Content                > 50 %        < 30 %       < 20 %
   Formula                -(O-C₆H₄-C(CH₃)₂-C₆H₄-O-CO)n  (C₃H₃N-C₄H₆-C₈H₈)n  (C₆H₅O)₃ P=O
   CAS No.                25929-04-8  9003-56-9  115-86-6

3. HAZARDS 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 molten 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 20 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 20 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 equipments as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.
   Storage         Keep the material 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 machine.
  - **Respiratory**: Wear masks for cleaning molding machine.
  - **Gloves**: Necessary for handling molten resin.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance**: Pellet
- **Melting Temperature**: This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.
- **Solubility**: Insoluble in water
- **Specific Gravity**: > 1
- **Flammability**: Yes
- **Flash Point**: Not applicable
- **Autoignition Temperature**: > 450°C

10. **STABILITY AND REACTIVITY**

- **Reactivity with Water**: No
- **Stability**: Stable and non-reactive under normal handling and storage conditions.
- **Thermal Decomposition Gases**: Processing fumes evolved at recommended processing conditions may include trace levels of triaryl phosphate ester, styrene, alkyl phenols, acetophenone, cumene, phenol, alpha-phenol, diarylcarbonates, …etc.

11. **TOXICOLOGICAL INFORMATION**

- **Irritation**: Fumes or vapors generated from decomposing resin may be irritant to eyes.
- **Acute oral toxicity (LD50)**: Not detected
- **Mutagenicity**: Not detected

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 CO₂, CO, HCN, AN, SM, phosphorus oxides, and hydrocarbon fragments.

14. **TRANSPORT INFORMATION**

Not regulated

15. **REGULATORY INFORMATION**

- Not available

16. **OTHER**

The data given above is believed accurate and for reference only.