

Material Safety Data Sheet

November 3, 2011

Product Name: WONDERLITE® PC-110 , PC-115 , PC-122 , PC-108U , PC-110U , PC-115U , PC-122U , PC-110V , PC-110L , PC-105S**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, 2008 |

2. COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|-----------------|--|
| Chemical Name : | Polycarbonate [Poly (bisphenol-A carbonate)] |
| Content : | > 99 % (Additives < 1 %) |
| Formula : | $-(O-C_6H_4-C(CH_3)_2-C_6H_4-O-CO-)_n$ |
| CAS No. : | 25929-04-8 |

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

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| 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

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

6. ACCIDENTAL RELEASE MEASURES

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| 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

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| 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

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|-----------------------|---|--|
| 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

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|--------------------------|-----------------------|
| Appearance | Pellet |
| Melting Temperature | Softening above 135°C |
| Solubility | Insoluble in water |
| Specific Gravity | 1.18 ~ 1.20 |
| Flammability | Yes |
| Flash Point | Not applicable |
| Autoignition Temperature | > 550°C (estimated) |

10. STABILITY AND REACTIVITY

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| Reactivity with Water | No |
| Stability | Stable and non-reactive under normal handling and storage conditions. |
| Thermal Decomposition Gases | Hazardous combustion products may include dense black smoke, CO ₂ , CO, and hydrocarbon fragments. Fumes evolved during processing may include trace levels of aliphatic and aromatic hydrocarbons, acids, phenol, and phenol derivatives. |

11. TOXICOLOGICAL INFORMATION

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| Irritation | Fumes or vapors generated from decomposing resin may be irritant to eyes. |
| Acute oral toxicity (LD50) | Oral LD50(Rat) > 5g/kg, estimated. |
| Mutagenicity | 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 CO₂, CO and hydrocarbon fragments.

14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

This product conforms with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act (TSCA).

16. OTHER

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