CHIMEI 奇美實業股份有限公司 CHI MEI CORPORATION

59-1, San Chia, Jen Te, Tainan County, Taiwan TEL: 06-266-3000 FAX: 06-266-9069

Material Safety Data Sheet

November 4, 2010 V1W

Product Name : **Acrypoly** ® CM-205X

1.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.2501
Emergency Phone No.	886-6-2663000	Ext.2501
Fax No.	886-6-2665555	

2.COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Preparation	Substance
Chemical Name	Poly Methyl Methacrylate
Content	＞99％ (Additives≦1％)
Formula	$(C_5H_8O_2)_x$
CAS No.	9011-14-7
Impurities Contributing to Hazard	None

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. We suggest the storage temperature is under 30^{O}c and the humidity is50±20%. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

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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

Physical form	Transparent sheet
Odor	None
Odor threshold	Not Established
pH	Not Applicable
Boiling point	Not Applicable
Melting/Freezing point	See Softening Point
Softening point	104～118℃ (219～244°F)
Solubility in water	Insoluble
Solubility (non aqueous)	Benzene, Acetone, Methyl Ethyl Ketone(MEK), and Chloroform, … etc.
Specific gravity	Approx. 1.19 kg/m^3
Bulk density	Approx. 600- 720 kg/m^3
% Volatile by weight	Negligible
Evaporation rate	Negligible (Butyl acetate＝1)
Vapor pressure	Negligible
Flammability	Yes

10.STABILITY AND REACTIVITY

Stability	This is a stable material
Hazardous polymerization	Will not occur
Incompatibilities	None known
Instability conditions	None known
Decomposition temperature	Begins at approx. 260℃ (500°F)
Decomposition products	By fire or thermal decomposition : carbon dioxide, Carbon monoxide, hydrocarbons, and some original monomers such as methyl methacrylate.

11.TOXICOLOGICAL INFORMATION

Irritation	Fumes or vapors generated from decomposing resin may be irritant to eyes.
Acute oral toxicity (LD50)	Not determined
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 CO and MMA.

14.TRANSPORT INFORMATION

Not classified

15.REGULATORY INFORMATION

Not available

16.OTHER INFORMATION

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