镇江奇美化工有限公司
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ZHENJIANG CHIMEI CHEMICAL
No.88, Hanqiao Road,
Zhenjiang New Area,
Jiangsu, China

Material Safety Data Sheet

February 28, 2024 ***V1W***

Product Name : ACRYREX ® CM-205 CM-205G CM-207 CM-211

1.COMPANY IDENTIFICATION

Company	Zhenjiang CHIMEI Chemical Co., Ltd.
Address	NO.88 Hanqiao Road Dagang Zhenjiang New Area Jiangsu China
Information Phone No.	0511-83121300
Emergency Phone No.	0511-83121300 Ext.28003

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

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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

Physical form	Pellets
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℉)
Solubility in water	Insoluble
Solubility (non aqueous) and	Benzene, Acetone, Methyl Ethyl Ketone(MEK), 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
Vapor density	Negligible (Air＝1)

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℉)
Decomposition products	By fire or thermal decomposition : carbon dioxide, Carbon monoxide, hydrocarbons,

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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

ADR/RID

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

Special Provisions: no data available

Hazard identification No:no data available

ADNR / ADN

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

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14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

No data available

IMO/IMDG

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

EMS Number: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

ICAO/IATA

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

no data available

15.REGULATORY INFORMATION

Not available

16.OTHER INFORMATION

None

