

## MATERIAL SAFETY DATA SHEET (MSDS)

### Capatue™ PPC-PP

#### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

<b>1.1</b>	<b>Product</b>	Porous Polymer Carrier PPC-PP
<b>1.2</b>	<b>Synonyms:</b>	Porous PP foam –Polypropylene (Without any anti-static and/or flame retardant additives, adhesive components, or other specialty additives.)
<b>1.3</b>	<b>Physical form:</b>	Porous pellets
<b>1.4</b>	<b>Color:</b>	White
<b>1.5</b>	<b>IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY</b>	
	<b>Manufacturer:</b>	Nanjing Capatue Chemical Co., Ltd
	<b>Address:</b>	Block 2, Lande Industry Park, 18 Lingshan North Road, Qixia District, Nanjing, Jiangsu Province, China, 210023
	<b>Telephone:</b>	(+86-25)-8637 1193 Fax: (+86-25) 8637 1191 ext. 0
	<b>24Hour Emergency Telephone:</b>	(+86-25)-8637 1192

#### 2. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

**Form:** Porous pellets **Color:** White **Odor:** odorless

##### Classification:

###### Classification of the substance or mixture

**Classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Not a hazardous material according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200

###### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not a hazardous material according to the Directive (EEC) No. 1272/2008.

###### Classification as per Directive 67/548/EC or Directive 1999/45/EC

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

##### Label elements:

###### Labelling as per (EU) 1272/2008

Statutory basis Labelling not required according to EU-CLP Ordinance (1272/2008).

##### Other hazards:

Not a PBT, vPvB substance as per the criteria of the REACH Regulation.

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#### Potential Health Effects

<b>Eye Contact:</b>	Solid or dust may cause irritation or corneal injury due to mechanical action. Fumes/vapor released during thermal operations such as hot-wire cutting may cause eye irritation.
<b>Skin Contact:</b>	Essentially nonirritating to skin.
<b>Skin Absorption:</b>	Skin absorption is unlikely due to physical properties.
<b>Inhalation:</b>	Dust may cause irritation to upper respiratory tract (nose and throat). Fumes/vapors released during thermal operations such as hot wire cutting may cause respiratory irritation.
<b>Ingestion:</b>	Swallowing is unlikely because of the physical state. Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. May cause choking or blockage of the digestive tract if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
9003-07-0	> 99.8	Polypropylene

GHS Classification: Not hazardous according to GHS criteria.

### 4. FIRST AID MEASURES

<b>4.1</b>	<b>Eye:</b>	Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Do not rub the eyes. Get medical attention if irritation develops.
<b>4.2</b>	<b>Skin:</b>	Wash affected skin area with soap and water. Get medical attention if irritation develops.
<b>4.3</b>	<b>Inhalation:</b>	Remove to fresh air. Get medical attention if irritation or other symptoms develop.
<b>4.4</b>	<b>Ingestion:</b>	If ingested, dilute swallowed material by drinking water. Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms develop.
<b>4.5</b>	<b>Other Instructions:</b>	Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

<b>5.1</b>	<b>Flash Point:</b>	Not applicable
<b>5.2</b>	<b>Extinguishing Media:</b>	Dry chemical, foam, water or carbon dioxide.
<b>5.3</b>	<b>Special Fire Fighting Procedure:</b>	In the event of a fire, wear a NIOSH (US) or CEN (EU) approved, positive pressure, self-contained breathing

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<p><b>5.4 Unusual Fire and Explosion Hazards:</b></p> <p><b>5.5 Hazardous Combustion Products</b></p>	<p>apparatus (SCBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.</p> <p>Product is supplied as Porous pellets. However, if product is ground, dust may form an explosive atmosphere when dispersed in air.</p> <p>When forced to burn, the major gaseous products of the combustion of plastic resin are carbon monoxide and carbon dioxide.</p>
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#### 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions:**  
Restrict access to keep out unauthorized or unprotected personnel. Wear appropriate personal protective equipment during all clean-up activities. Avoid inhalation.
- 6.2 Environmental Precautions:**  
Keep spilled material away from heat, sparks and open flames. Ensure adequate ventilation.
- 6.3 Methods for Clean-Up:**  
Collect spilled material using a method that minimizes dust generation (e.g., wet methods, HEPA vacuum). Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.
- Note:** See section 8 for Personal Protective Equipment for Spills. Call Capatue Chemical, if additional information is required.

#### 7. HANDLING AND STORAGE

**Handling:** Use with adequate ventilation. Avoid dust generation. Avoid contact with eyes and skin. Accumulations of dust should be removed from settling areas.

**Storage:** Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks. Ventilate enclosed storage areas, such as trailers and railcars, before entering. Have emergency equipment for fires and spills readily available.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Personal Protective Equipment for Routine Handling

- Eyes:** Wear safety glasses with side shields, goggles or face shield.
- Skin:** Wear appropriate gloves when handling hot material.
- Respiratory Protection:** None required under normal conditions of use.
- Engineering Controls:** Use local exhaust ventilation during dust producing operations.
- Required Work/Hygiene** Wash hands thoroughly after handling. Do not eat, drink or smoke in work area.

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**Procedure:** If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.

**Exposure Guidelines:**

OSHA PEL-TWA: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable dust)

ACGIH TLV-TWA: 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable dust)

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b>	Porous pellets
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Molecular Weight:</b>	Not determined
<b>Melting Point:</b>	160 °C
<b>Boiling Point:</b>	Not determined
<b>Freezing Point:</b>	Solid material
<b>Solubility in Water:</b>	Insoluble
<b>Bulk Density, Kg/m<sup>3</sup>:</b>	200 ± 20 (water = 1)
<b>Vapor Density:</b>	Not applicable (air = 1)

**Note:** The above information is not intended for use in preparing product specifications. Contact Capatue Chemical before writing specifications.

#### 10. STABILITY AND REACTIVITY

<b>10.1 Chemical Stability:</b>	Stable under recommended storage conditions.
<b>10.2 Conditions to Avoid:</b>	Keep away from strong oxidizing agents.
<b>10.3 Hazardous Decomposition:</b>	Not expected to occur.
<b>10.4 Hazardous Polymerization:</b>	Not expected to occur.

#### 11. TOXICOLOGICAL INFORMATION

**Primary Route(s) of Exposure:** Eye and skin contact.

**Potential Health Effects:**

Eye Contact: Solid particles may cause transient irritation from mechanical abrasion.

Skin Contact: Not expected to cause skin irritation. Molten material may cause thermal burns.

Inhalation: Not a likely route of exposure. Process fumes may cause irritation.

Ingestion: May cause a choking hazard if swallowed.

**Carcinogenicity:** The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.

**Medical Conditions**

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**Aggravated by Overexposure:**

Exposure may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No data are available on the adverse effects of this material on the environment.

**13. DISPOSAL CONSIDERATIONS**

**Disposal Method:** This product must be disposed of in accordance with Federal, state and local environmental regulations.

**Recycling/Reclamation:** Recycling or reclamation of polyethylene resins should be encouraged where possible.

**14. TRANSPORT INFORMATION**

**This product is not regulated as a hazardous material/dangerous good for all forms of transportation.**

**Proper Shipping Name:** Not listed.

**Hazard Label:** Not applicable

**Hazard Class:** Not regulated

**UN/NA Number:** Not applicable

**Hazard Placard(s):** Not applicable

**Packing Group:** Not applicable

**EPA Reportable Quantity (RQ):** Not applicable

**Emergency Response Guide:** Not applicable

Call Capatue Chemical if additional information is required.

**15. REGULATORY INFORMATION****U.N. GHS Classification & Labeling Information:**

Classification: Not hazardous according to GHS criteria.

Health Rating: 0

Flammability Rating: 1

Reactivity Rating: 0

Other Hazards: Not applicable

**U.S. Federal Regulatory Information:**

EPA Clean Air Act: Not listed

EPA Clean Water Act: Not listed

TSCA: The ingredients of this product are listed on TSCA inventory (40 CFR 710).

RCRA: This product as supplied is not considered a RCRA hazardous waste.

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CERCLA RQ: Not listed  
SARA Title III § 302: None  
SARA Title III § 311/312: None  
SARA Title III § 313: Not listed

**European Union Regulatory Information:**

Classification: Not hazardous according to EU criteria.

**Canadian Regulatory Information:**

Classification: Not hazardous according to WHMIS criteria.

Domestic Substances List (DSL): Listed

#### 16. OTHER INFORMATION

Prepared by: Nanjing Capatue Chemical Co., Ltd

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

能德化工  
CAPATUE CHEMICAL