

Zhejiang Java Specialty Chemicals Co., Ltd	File Name	MSDS No: Q/JH04-E106-2013	
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chinese Name: 有机硅塑料添加剂TP-200E

English Name: Siloxane additive TP-200E

Company Name: Zhejiang Java Specialty Chemicals Co., Ltd

Add: Fengkeshan Village(Fengshan Section of Biangai Road), Xiaoyue Town, Shangyu District, Shaoxing City, Zhejiang, China.

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Emergency Telephone: 120, 119

Effective Date: Sept., 2016

### 2. COMPOSITION/INFORMATION

Chemical Compositions: Ultra-high molecular weight polysiloxane and polypropylene (blend)

No.	Chemical name	CAS#	by weight %
1	polysiloxane	9016 - 00 - 6	55 - 65
2	polypropylene	9003 - 07 - 0	35 - 45

#### Risk Component

Chemical Name: octamethylcyclotetrasiloxane

CAS No: 556-67-2

wt. % < 0.5

### 3. HARDARDS IDENTIFICATION

Risk Category: Non-dangerous goods, no problem

Invasion Pathway: No problem

Health Hazard: No problem

Environmental Hazard: No problem

Explosion Danger: No problem

Other Danger: Exposure to this product of hot-melt occasion may cause thermal burns

### 4. FIRST AID MEASURES

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Skin Contact: If contact with hot melt material, wash off immediately with plenty of water to cool down, do not remove any clothes or shoes on burns and get medical attention.

Eye Contact: If there is foreign body sensation in the eyes, wash with plenty waster or get medical attention.

Inhalation: If inhale the smoke in the process of hot melting, remove to fresh air. Get medical attention if symptoms persist.

Ingestion: Get medical attention if ingested by mistake.

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemicals, foam or water spray when big fire, and use CO<sub>2</sub>, dry chemicals or water spray when small fire. Cool containers which are exposed to the fire with water.

Unsuitable Extinguishing Media: Unknown

Specific Hazard: No

Special Extinguish Procedure: Decide whether need to evacuate or quarantine this area according to local emergency plan.

Protective Equipments of Firefighters: When extinguishing the fire involving chemicals, firefighters should wear self-contained breathing apparatus and protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with hot materials, do not take orally.

Emergency Treatment: recycle directly, avoid to enter the drainage system or water.

Elimination: Sweep up and put into a container for disposal.

### 7. HANDING AND STORAGE

Handling: Using the exhaust ventilation equipment fully, avoid contact with hot material.

Storage: Store in a cool, ventilated and dry place and avoid the fire.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ordinary ventilation equipments

Respiratory Protection: Basically unnecessary

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Hands Protection: Wear general industrial gloves, wear chemical protective gloves when operate hot melting products.

Eye Protection: Use suitable protection, wear safety goggles.

Other Protection: Implement a good industrial hygiene measures, please clear up after operation. Avoid contact with hot materials.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light white pellets

Odor: Odorless

MFR: 30g/10min

Density: 0.93g/cm<sup>3</sup>

Weight Loss: < 0.5%

Combustibility: Not applicable

Main Users: processing aids for thermoplastic materials

*Above information for reference only, please contact Javachem for preparing product materials.*

### 10. STABILITY AND REACTIVITY

Stability: Stable

Avoid Contact Conditions: High temperature, do not touch when the temperature nearly 250°C, in order to avoid burns from thermal decomposition and combustion.

Decomposition Products: Carbon dioxide and carbide micro incomplete combustion, silica.

### 11. TOXICOLOGICAL INFORMATION

Exposure Way: Skin contact and accidentally swallowed

Effects and Symptoms of Excessive Contact: No significant adverse effects on the normal conditions of use

Acute Toxicity:

Chemical Name: Octamethylcyclotetrasiloxane

CAS No: 556-67-2

LD50 (oral) : > 5000mg/kg (rat)

LD50(skin) : > 4640mg/kg (rabbit)

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LD50(suction) : 36mg/L ( rat ; steam for 4 hours )

Eyes: Exposure to this product on hot-melt occasion may cause thermal burns

Skin: Exposure to this product on hot-melt occasion may cause thermal burns

Ingestion: Normal use only with very low intake of harm

Inhalation: This product is a granular material, no inhalation hazard. But the dust and smoke generated in the manufacturing process may be irritating to respiratory system.

Chronic toxicity

Ingestion: Repeated or a large number of intakes can cause physical harm

## 12. ECOLOGICAL INFORMATION

Aquatic and Terrestrial Ecological Toxicity

Ecological Toxicity:

Acute Effects: Not indicative of deleterious effects on aquatic organisms

Chronic Effects: Not indicative of deleterious effects on aquatic organisms

Effect on Wastewater Treatment Plant: Not indicative of deleterious effects on bacteria

Persistence and degradation in water: Solid objects, not soluble in water

The Potential for Bioaccumulation: No biomass accumulation ability

Mobility in Soils: This product is solid, and it does not contain considerable concentrations of water-soluble components which may filter out from the product components, so no harm on terrestrial objects

## 13. DISPOSAL CONSIDERATIONS

Waste Property: hazardous waste industrial solid waste

Waste Disposal Method: Disposed as general waste

Disposal Considerations: No

## 14. TRANSPORT INFORMATION

IMDG Code:-

UN Number:-

Packing Mark:-

Packaging Categories: Cartons, lined with plastic film bags, 20kg net carton.

Transport Note: Light unloading, avoid laceration.

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15. Regulatory information

Regulations: Chemical dangerous goods marked in article 3 of 《Regulations on safety management of hazardous chemicals》, refer to the seven categories of classification criteria stipulated by national standard GB6944-2012 《Classification and code of dangerous goods》 of people's Republic of China, Our company's products are not included.

Reference: 《Regulations on Safety Management of Hazardous Chemicals》

The People's Republic of China national standard GB6944-2012 《Classification and code of dangerous goods》

16. Other information

References: ---

Revision Date: Sept. 1st, 2016

Fill in the Department: Technical Department

Data Verification Unit:-

Revision Description:-

*This material is not the product manual, but in order to provide the concept of a representative value. There is no guarantee, expression or implication. Industrial hygiene and safety procedures recommended 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.*