

Zhejiang Java Specialty Chemicals Co., Ltd	Name	No: Q/JH04-E113-2014	
	Safety Data Sheet	Version: A/1	No: 1 / 5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chinese Name: 有机硅塑料添加剂 GT-355

English Name: Siloxane additive GT-355

Company Name: Zhejiang Java Specialty Chemicals Co., Ltd

Add: Fengkeshan Village, Xiaoyue Town, Shangyu District, Shaoxing City, Zhejiang, China.

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Emergency Telephone: 120,119

Effective Date: Sept 2016

2. HAZARDS 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 hot melt of this product may cause thermal burns

3. COMPOSITION/INFORMATION

Chemical compositions: UHMW Polysiloxane and LLDPE (blend)

No.	Chemical name	CAS#	by weight %
1	Polysiloxane	9016-00-6	45 - 55
2	TPU	9009-54-5	45 - 55

Risk Component

Chemical Name: octamethylcyclotetrasiloxane

CAS No: 556-67-2

wt.% < 0.5

4. FIRST AID MEASURES

Skin Contact: If contact with hot melt material, wash off immediately with plenty of water to

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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 water 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

Extinguishing Media: use dry chemical, foam or water spray when the big fire, and use carbon dioxide (CO<sub>2</sub>), dry chemical or water mist when small fire. Cool containers exposed to the fire with water..

Prohibited Extinguisher: not confirmed

Special Hazard: no

Special Extinguish Procedure: decide whether evacuate or isolate this area according to the 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 Protection: avoid contact with hot material. Do not drink.

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

Elimination Methods: sweep up and put into a container for disposal

### 7. HANDLING 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 Control: use ordinary ventilation equipments

Respiratory Protection: basically unnecessary

Hands Protection: wear general industrial gloves, when operate hot melt products, wear

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chemical protection gloves

Eyes Protection: use proper protection - safety glasses

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 granule

Odor: odorless

MFR: 18g/10min

Density: 1.05 g/cm<sup>3</sup>

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 Condition: High Temperature, do not touch when the temperature nearly 300℃, in order to avoid burns from thermal decomposition and combustion.

Decomposition Products: carbon dioxide and micro carbide that 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 )

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

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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

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

## 13. WASTE DISPOSAL

Waste Property:             Hazardous waste             Industrial solid waste

Waste Disposal Method: disposed as general waste

Disposal Considerations: no

## 14. TRANSPORT INFORMATION

IMDG Code: —

UN Code: —

Packing Mark: —

Packaging Categories: PE bag heat sealing, 25kg net weight

Transport Note: light unloading, avoid laceration.

## 15. REGULATORY INFORMATION

Hazardous chemicals listed in article 3 of 《Regulations on Safety Management of Hazardous Chemicals》 refer to the seven categories of classification criteria regulated by China National

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standard GB6944-2012 《Classification and Code of Dangerous Goods》.Our product has not been contented.

Refer to: 《Regulations on Safety Management of Hazardous Chemicals》

People's Republic of China national standard

GB6944-2012 《Classification and Code of Dangerous Goods》

#### 16. OTHER INFORMATION

Reference: —

Revision Date: Sept. 01, 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.