

Zhejiang Java Specialty Chemicals Co., Ltd	Safety Data Sheet	MSDS No: Q/JH04-E404-2018	
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chinese name: 有机硅添加剂 HG-600S

English name: Silicone Additive HG-600S

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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Enterprise emergency telephone: +86-575-82536722

Emergency telephone: 120, 119(China)

Effective date: Mar.2019

### 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: Expose this product to hot-melt occasion may cause thermal burns

### 3. COMPOSITION/INFORMATION

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

No.	Chemical name	CAS#	by wt. %
1	Polysiloxane	68083-19-2	55
2	Polypropylene	9003-07-0	45

Risk component

Chemical name: Octamethylcyclotetrasiloxane

CAS No: 556-67-2

wt. % <0.05

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#### 4. FIRST AID MEASURES

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 of 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

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: Not confirmed

Specific hazard: No

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

Protective equipment 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 materials. Do not take orally.

Emergency processing: Recycle directly and avoid to enter the drainage system or water.

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

#### 7. HANDLING AND STORAGE

Handling consideration: Use the exhaust ventilation equipment fully and avoid contact with hot material.

Storage consideration: 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-melt 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 pellet

Odor: Odorless

MFR: 2g/10min

Density: 0.92g/cm<sup>3</sup>

Combustibility: Not applicable

Main users: Processing aids for thermoplastic materials, anti-scratch for polypropylene

*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: No

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: Expose this product to hot-melt occasion may cause thermal burns

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Skin: Expose this product to 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: No

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

### 12. ECOLOGICAL INFORMATION

Aquatic and terrestrial ecological toxicity: No

Ecological toxicity

Acute effects: Not indicative of deleterious effects on aquatic organisms

Chronic effects: Not indicative of deleterious effects on aquatic organisms

Effect on waste-water treatment plant: Not indicative of deleterious effects on bacteria

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

Bioaccumulation potential: 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 to 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 Code:-

Packing mark:-

Packaging categories: PE bag, the net weight is 25kg/bag

Transport consideration: Light loading and unloading, avoid laceration

### 15. REGULATORY INFORMATION

Regulations: Chemical dangerous goods marked in article 3 of 《Regulations on safety

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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

Other International Regulations:

REACH: For products purchased by Javachem within the EU, all of its ingredients completely registered or pre-registered, or exempt from registration under REACH. For products purchased by Javachem outside the EU and wish to export them to the European Economic Area, please contact your Javachem representative or local office

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances

LESC: All ingredients listed or exempt

ENCS/ISHL: All ingredients listed on the ENCS(Existing Chemicals or New Chemicals)/

ISHL(Industrial Safety and Health Act) or not listed for exemption

DSL: The product contains one or more substances not listed on the Canadian Domestic Substances List(DSL). Please consult the responsible department of Javachem

KECI: All ingredients listed, exempt or notified

TSCI: All ingredients listed or exempt

## 16. OTHER INFORMATION

References: ---

Release date: Mar.1<sup>st</sup>, 2019

Release 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.*