

Zhejiang Java Specialty Chemicals Co.,Ltd	Safety Data Sheet	SDS No.: Q/JH04-E101-2018
		Version: A/3

### 1. IDENTIFICATION OF THE COMPANY

Chinese name: 有机硅添加剂 GT-300

English name: Silicone Additive GT-300

Company name: Zhejiang Java Specialty Chemicals Co.,Ltd

Add: Fengkeshan Village, 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

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: UHMW Polysiloxane and LLDPE (blend)

No.	Chemical name	CAS#	by wt. %
1	Polysiloxane	68083-19-2	50 - 60
2	LLDPE	25087-34-7	40 - 50

Risk components

Chemical name: Octamethylcyclotetrasiloxane

CAS No: 556 - 67 - 2

wt.% <0.05

### 4. FIRST AID MEASURES

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

Zhejiang Java Specialty  
Chemicals Co.,Ltd

Safety Data Sheet

SDS No.: Q/JH04-E101-2018

Version: A/3

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

Extinguishing media: Use dry chemicals, foam or water spray when big fire, and use carbon dioxide (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

Special hazard: No

Special extinguish procedure: Decide whether necessary 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 material. Do not take orally.

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

Elimination methods: 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 materials.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control: Use ordinary ventilation equipments

Zhejiang Java Specialty Chemicals Co.,Ltd	Safety Data Sheet	SDS No.: Q/JH04-E101-2018
		Version: A/3

Respiratory protection: Basically unnecessary

Hands protection: Wear general industrial gloves, wear chemical protection 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: White pellets

Odor: Odorless

MFR: 20g/10min

Density: 0.95g/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 250°C, in order to avoid burns from thermal decomposition and combustion.

Decomposition products: Carbon and carbide micro incomplete combustion, silica.

### 11. TOXICOLOGICAL INFORMATION

Exposure: 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

Zhejiang Java Specialty Chemicals Co.,Ltd	Safety Data Sheet	SDS No.: Q/JH04-E101-2018
		Version: A/3

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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.

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

Ingestion: Normally 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: Be not indicative of deleterious effects on aquatic organisms.

Chronic effects: Be not indicative of deleterious effects on aquatic organisms.

Effect on waste-water treatment plant: Be 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, does not contain considerable concentrations of water-soluble components which may filter out from the product, so there is no harm to terrestrial objects.

## 13. WASTE DISPOSAL

Waste property:            Hazardous waste            Industrial solid waste

Waste disposal method: According to the general waste

Disposal considerations: No

## 14. TRANSPORT INFORMATION

IMDG Code: —

UN Code: —

Zhejiang Java Specialty Chemicals Co.,Ltd	Safety Data Sheet	SDS No.: Q/JH04-E101-2018
		Version: A/3

Packaging mark: —

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

Transportation consideration: Light loading and unloading, avoid laceration.

### 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

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

Reference: —

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*

Zhejiang Java Specialty  
Chemicals Co.,Ltd

Safety Data Sheet

SDS No.: Q/JH04-E101-2018

Version: A/3

*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.*