



# Jiangxi TaiKay New Materials Co.,LTD

## MSDS-DK-102 Methyl silicone resin,powder

### 一. Chemicals and Company Identity

<p>Product Information:</p> <p>English Name:DK-102 <b>Methyl silicone resin,powder</b></p> <p>Product Code:DK-102</p>
<p>Product Usage:</p> <p>Recommended Usage:</p> <ol style="list-style-type: none"><li>1.Used in plastic film,sheet,plastic chair,etc.To avoid adhesion and enhance the smoothness.</li><li>2.Used in paints,inks,and functional coatings,to strength the dispersion and lubrication of the pigments obviously.</li><li>3.Used in polishing wax products to improve spread ability,flatness,lubricating property and matting effect.</li><li>4.Used in synthetic resin and engineering plastic(PC、 PMMA、 PS,etc),make good light diffusion effect,smooth performance and wear-resisting property.</li><li>5.Used in rubber products to improve wear-resisting property and smooth performance.</li></ol> <p>Restricted Usage:No Relevant Information</p>
<p>Company Information:</p> <p>Company Name:Jiangxi Taikay New Materials Co., LTD</p> <p>Address:300 meters on the east of Dongxing North Road,New Material Industrial Park,High-tech Zone,Xinyu City,Jiangxi Province.</p> <p>Tel: 86-0790-6784355</p> <p>Fax: 86-0790-6784399</p> <p>E-mail:rd@taikay.cn</p>
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### 二. Risk Overview



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Danger Signs:

Danger in Physics and Chemistry:no relevant information.

Health Hazard:eye contact may cause short-lived redness and discomfort;light amount shift from fingers into mouth will do no harm,digest too much will cause digestive discomfort.

Environment Impact: no relevant information.

Special Hazard:no.

GHS Risk Categories:Non hazardous substance

Tag Elements: No

Cardinal Symptom:eye contact may cause short-lived redness and discomfort;light amount shift from fingers into mouth will do no harm,digest too much will cause digestive discomfort.

Emergency Overview:

Flush with water,seek medical when serious.

### 三.Constituent

Form:white or light yellow particle

Chemical Name:Polymethy Silsesquioxane

Components Information:

Chemical Composition	CAS No	Percentage
Polymethy Silsesquioxane	68554-70-1	≧ 98%
Moisture Content	-	≦ 2%

### 四 Emergency Treatment

- Suction : if suck in ,leave spot and move to fresh air places.Seek medical when serious.
- Skin Contact:take off the polluted clothes and flush with soapy water.
- Eye Contact:lift the eyelids,wash with running water or normal saline,seek medical when serious..
- Ingestion:drink enough warm water and do induce vomit ,seek medical care when necessary.



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Acute or Chronic Main Side Effects and Symptoms:breathing disorder.

Special Tips for Doctors:suit the remedy to the case.

#### 五. Fire-fighting Measures

Suitable Extinguishant:foam extinguishing agent ,CO2 fire extinguishing agent, loaded stream extinguishing agent(natural).

Special Risk:it will make harmful vapor or gas when heated or burning.

Special Extinguishing Method:Do not breathe the smoke when explode happened.You can move the containers from the fire ground when no danger.

Special Protective Equipments for Fire Fighters:Fire fighters must be equipped with standard protective equipments,including flame retardant coat,helmet,gloves,rubber boots,and air respirator.

#### 六. Leak Emergency Treatment

Preventive Measures,protective equipment and emergency handling procedures for operating personnel:

Isolate the leaked and polluted areas,restrict access.keep a good ventilation before entering the enclosed room.Avoid inhaling the dust of the leaked materials.Wear suitable protective equipment.

Environmental Protection Measures:

Adopt measures to prevent further leakage or spill.

The absorption,elimination method and treatment materials:

Eliminate ignition source.Keep combustible materials(wood,paper,oil,etc) away from leakage.Do not make dust when handling it.

The Prevention Measures to Prevent a Secondary Hazard:

Avoid again leakage in the process of elimination.

#### 七. Handling and Storage



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Safe handling and precautions:

Partial or Total Ventilation:provide suitable exhaust equipment used only on a draught environment where dust generates.To avoid ventilation shortage, is needful to equip suitable breathing apparatus.

Technical Measures:may cause dust explosion.Static electricity may gather and light suspend dust to cause explosion.All devices should be connected with ground when operating.Use explosion-tested equipment.Please read the relative standards about explosion prevention measures.

Prevention Measures:forbid operation,storage and open near naked flame,heat source,and ignition source.

Prevent supplies from direct sunlight.No smoking.Decrease dust forming as much as you can.To avoid ventilation shortage, is needful to equip suitable breathing apparatus.

Safe Instruction:Avoid contacting eyes,please avoid inhale dust.

Storage:

Technical Measures:Avoid dust gathering on the products.

Safe Storage Conditions:be away from heat source.Store in shady, cool and dry places.Store in good ventilation places.Keep containers tightly closed.Prevent products from sunlight direct.

Material Should Avoid:no relevant information

Safe Package Material:store in original container.

#### 八. Contact Control and Individual Protection

Engineering Control Method: provide good total or partial ventilation,provide eye wash facility.



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• Allowable Concentration:

no relevant information

Personal Protective Equipments:

- Respiratory System Protection:wear dust mask.
- Hand Protection:equip rubber gloves
- Eye Protection:chemical safety protective glass
- Skin and Body Protection:wear dust-proof clothing

Other Protection: please avoid inhaling dust and avoid contacting eyes.Wash hands before and after work.

#### 九. Physical and Chemical Properties

Appearance and Character:white neat spherical micro powder	Vapor Pressure:no relevant information.
Odor:no odor	Vapor Density:no relevant information
PH Value:7	Density:1.3 (25°C)
Boiling Point:no meaning	Solubility:insoluble in water,acid but in strong alkali
Boiling Point:no meaning	Specific Gravity:1.3 (25°C) 。
Flash Point:no meaning	Self-ignition Temperature:no relevant information
Explosion Limits:no relevant information	Decomposition Temperature:no relevant information

#### 十. Stability and Reactivity

Stability:stable in normal conditions.
Hazardous Reaction:polymerization(no hazard)
The Conditions Should Avoid:no.
Incompatible Substances:no.
Hazardous Decomposition Product:it might make oxycarbide and trace carbide not fully burnt as silicon dioxide and formaldehyde when heated or burnt.



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十一. Toxicological Information

Methyl Alcohol:LD <sub>50</sub> 5628mg/kg(rats through mouth ),LD <sub>50</sub> 14200mg/kg (rabbit through mouth), LD <sub>50</sub> 15800mg/kg (rabbit through blood vessel)
Skin Irritation or Corrosion:no relevant information
Eye Irritation or Corrosion:no relevant information
Respiratory or Skin Sensitization:no relevant information
Germ Cell Mutation:no relevant information
Carcinogenicity:no relevant information
Reproductive Toxicity:no relevant information
Specific Target Organ Systemic Toxicity-disposable Contact:no relevant information
Specific Target Organ Systemic Toxicity- repeated Contact:no relevant information
Hazard Inhalation:no relevant information

十一. Ecology Information

Ecotoxicity:no relevant information
Durability and Degradability:no relevant information
Potential Bioaccumulation:no relevant information
Mobility on Soil:no relevant information

十二. Disposal Methods:

Disposal Product:non-dangerous product,deal with by professional institution as relevant national requirements.

Polluted Package:advise recycle for spare after cleaning.or dispose as national and local relative disposal regulations.

Note:read the national and local relative disposal regulations before disposal,avoid pollution in the process.

十三. Transportation

UN No.:no relevant information
The United Nations Transport Name:no relevant information
The United Nations Risk Classification:no relevant information



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Package Kind:simple package

Marine Pollutant(Yes/No):No

Other Information

Transportation Signs: no relevant information

十四. Regulation Information

National Regulation Information:

Regulates chemicals from safe usage,storage,transportation,load &unload,sort , label such aspects and so on as follows:

chemical sort,warning label and warning safety codes (GB20576-2006~GB20602-2006)

chemical sort and principles of risks on public (GB 13690-2009, this instruction is compiled according to the content and catalogue of GB/T16483-2008).

十五. Other Information

Revision Note:

This MSDS compiles as GB/T 16483-2008 standard;for nation hasn't issued chemical GHS catalogues,the classification of this MSDS is classified as chemicals,warning signs and note GB20576-2006~GB20602-2006 by ourselves automatically,adjust relatively after national issues chemicals GHS classification catalogue.

Data Resource:

Provided by company

Disclaimer:

This MSDS provides all information fully and truly,but we can't sure its absolute universality and accuracy.This MSDS just provided for those involved personnel acquired professional training as safety prevention data.Individuals assessed to this MSDS,must do independent judgement in special conditions.We will not bear any responsibility caused by using this MSDS in special conditions.

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