RivoChem

## Material Safety Data Sheet (MSDS) Report

MSDS Number: SDS201804261250

Applicant: Wenzhou Duofu Trading Co., Ltd.
Room 201, No. 187 Wangdong Road, Dongmen Village,
Haicheng, Longwan District, Wenzhou, Zhejiang, China

Product Description:

| | | |
|---|---|---|
| Trade Name | : | Modified Silane Polymer |
| Data Reviewed | : | Apr 26, 2018 |

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# MATERIAL SAFETY DATA SHEET



Modified Silane Polymer

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

| | | |
|---|---|---|
| Product name | : | Modified Silane Polymer |
| Manufacturer/supplier company name and address | : | Wenzhou Duofu Trading Co., Ltd.<br>Room 201, No. 187 Wangdong Road, Dongmen Village, Haicheng, Longwan District, Wenzhou, Zhejiang, China |
| Post code | : | 325024 |
| E-mail address | : | 30251331@163.com |
| Telephone number | : | +86-13736361308 |
| Emergency telephone number | : | +86-577-25859960 |
| Use of the product | : | For adhesive use |

## 2. HAZARDS IDENTIFICATION

### GHS-Classification

This product is not considered as hazardous according to China GB standards(GB30000-2013).

### GHS-Labelling

This product contains no substances which at their given concentration, are considered to be hazardous to health and environment, so no label element is required on this section.

| | |
|---|---|
| Symbol(s) | N/A |
| Signal word | N/A |
| Hazard statements | N/A |
| Precautionary statements | **Prevention:**<br>P101 If medical advice is needed, have product container or label at hand.<br>P102 Keep out of reach of children.<br>P103 Read label before use.<br><br>**Response:**<br>N/A<br><br>**Storage:**<br>N/A<br><br>**Disposal:** |

N/A

**Other hazards which do not result in classification**

Not data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product form : Mixture

**Product components**

| Chemical name | CAS-No. | Concentration |
|---|---|---|
| STYRENE-METHYL METHACRYLATE COPOLYMER | 25034-86-0 | >=20 - <40 % |
| POLYETHER POLYOLS | PROPRIETARY | >=10 - <20 % |
| CALCIUM CARBONATE | 471-34-1 | >=10 - <20 % |
| TITANIUM DIOXIDE | 1317-80-2 | >=10 - <20 % |
| CARBON BLACK | 1333-86-4 | >=10 - <20 % |

## 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.
If breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
If symptoms persist, call a physician.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.

If swallowed : Obtain medical attention.
Rinse mouth with water.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed : Stomach or intestinal upset (nausea, vomiting, diarrhea)
Irritation (nose, throat, airways)

| | | |
|---|---|---|
| Notes to physician | : | No hazards which require special first aid measures. |

## 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Water spray/Foam/Dry chemical/Carbon dioxide (CO2) |
| Unsuitable extinguishing media | : | None known. |
| Specific hazards during firefighting | : | The product is not flammable. The product itself does not flash. |
| Hazardous combustion products | : | Hydrocarbons/Alcohols/Ketones/Aldehydes/Organic acids<br>Polymers decompose under fire conditions. The smoke may contain polymer fragments of varying composition and unidentified toxic and/or irritating compounds.<br>Carbon monoxide/Carbon dioxide (CO2)/Sulfur oxides/Calcium oxide |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus and full protective gear. |
| Further information | : | Standard procedure for chemical fires. |

## 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions | : | Use personal protective equipment. |
| Environmental precautions | : | Do not discharge into drains, water courses or onto the ground. |
| Methods for cleaning up | : | Use inert absorbent materials to collect the spill and leakage.<br>Keep in suitable, closed containers for disposal. |
| Additional advice | : | Comply with all applicable national and local regulations. |

## 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on safe handling | : | Smoking, eating and drinking should be prohibited in the application area.<br>Avoid to contact with eyes, skin and clothing.<br>For personal protection see section 8.<br>Dispose of rinse water in accordance with local and national regulations. |
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection. |
| Requirements for storage areas and containers | : | Store in tightly closed original container in a dry, cool and well-ventilated place. |
| Materials to avoid | : | Ammonium salts, strong bases, strong mineral acids.<br>Strong oxidizing agents, strong reducing agents. |
| Other data | : | No decomposition if stored and applied as directed. |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| CARBON BLACK | 1333-86-4 | TWA (Total dust.) | 4 mg/m3 | CN OEL |

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**Engineering measures**

General room ventilation should be adequate for normal conditions of use.

**Personal protective equipment**

| | | |
|---|---|---|
| Respiratory protection | : | No personal respiratory protective equipment normally required. |
| Eye protection | : | Not required under normal conditions of use.<br>Wear splash-proof safety goggles if product could be misted or splashed into eyes. |
| Skin and body protection | : | Wear protective gloves if handling with large quantities.<br>An apron and other protective equipment depending upon conditions of use. |
| Hygiene measures | : | Wash hands before breaks and at the end of workday. |

Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Physical state | : | Paste |
| Color | : | White |
| Odor | : | No odor |
| Odour Threshold | : | No data available |
| Flash point | : | No data available |
| Ignition temperature | : | No data available |
| Lower explosion limit | : | Not explosive |
| Upper explosion limit | : | Not explosive |
| Flammability | : | Non-flammable |
| Oxidizing properties | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Molecular weight | : | No data available |
| pH | : | No data available |
| Melting point/freezing point | : | No data available |
| Boiling point | : | No data available |
| Sublimation point | : | No data available |
| Vapour pressure | : | No data available |
| Density | : | 1.47 g/cm3 |
| Bulk density | : | No data available |
| Water solubility | : | Insoluble in water |
| Partition coefficient: n-octanol/water | : | No data available |
| Solubility in other solvents | : | No data available |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | No data available |
| Flow time | : | No data available |
| Impact sensitivity | : | No data available |
| Relative vapour density | : | No data available |
| Surface tension | : | No data available |
| Evaporation rate | : | No data available |

## 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | : | Product will not undergo hazardous polymerization. |
| Conditions to avoid | : | Keep away from heat, flame, sparks and other ignition |

| | | |
|---|---|---|
| | | sources. |
| Incompatible materials | : | Ammonium salts, strong bases, strong mineral acids.<br>Strong oxidizing agents, strong reducing agents. |
| Hazardous decomposition products | : | Hydrocarbons/Alcohols/Ketones/Aldehydes/Organic acids<br>Polymers decompose under fire conditions. The smoke may contain polymer fragments of varying composition and unidentified toxic and/or irritating compounds.<br>Carbon monoxide/Carbon dioxide (CO2)/<br>Sulfur oxides/Calcium oxide |

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

Not classified based on available information.

**CARBON BLACK:**

| | | |
|---|---|---|
| Acute oral toxicity | : | LD 50 (Rat): > 10,000 mg/kg |
| Acute dermal toxicity | : | LD 50 (Rabbit): > 3 g/kg |

**Skin corrosion/irritation**

Not classified based on available information.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**
Not classified based on available information.

**STOT - repeated exposure**
Not classified based on available information.

**Aspiration toxicity**
Not classified based on available information.

**Further information**
No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
No data available

**Persistence and degradability**
No data available

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**
No data available

## 13. DISPOSAL CONSIDERATIONS

| | | |
|---|---|---|
| General advice | : | Disposal of in accordance with relevant national and local regulations. |

## 14. TRANSPORT INFORMATION

**China Road/Rail/Inland waterways**
UN Number: not regulated/non-dangerous goods
Proper Shipping Name: N/A
Hazard class: N/A
Packaging classes: N/A

**INTERNATIONAL MARITIME DANGEROUS GOODS(IMDG)**
UN Number: not regulated/non-dangerous goods
Proper Shipping Name: N/A
Hazard class: N/A
Packaging classes: N/A

**INTERNATIONAL AIR TRANSPORT ASSOCIATION(IATA)**
UN Number: not regulated/non-dangerous goods
Proper Shipping Name: N/A
Hazard class: N/A
Packaging classes: N/A

## 15. REGULATORY INFORMATION

Regulations on the Control over Safety of Dangerous Chemicals (Decree No. 591 of the State Council of the People's Republic of China)
General rules for preparation of chemical safety data sheet （GB16483-2008）
Rules for classification and labelling of chemicals(GB30000-2013)
Classification and labels of dangerous chemical substances commonly used （GB13690-2009）
List of dangerous goods GB12268-2012
Classification and code of dangerous goods （GB6944-2005）

## 16. OTHER INFORMATION

**Revision date**
26/04/2018

**Disclaimer:**
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*****End of Material Safety Data Sheet*****