

# 科艾斯化学有限公司 Coace Chemical Co., Ltd

## SAFETY DATA SHEET



VERSION 4.0  
Reversion Date 16/01/2022

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product Name : Polyketone grafted maleic anhydride  
Trade Name : CS-2  
Brand : Coace  
CAS-No. : /

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Used as an additive in production of plastic composite

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer : Coace Chemical Co., Ltd  
Address : No. 455 South Road, 2nd Ring Road, Tong'an District, Xiamen, China  
Telephone : +86-592-5153618  
Fax : +86-592-7159199

#### 1.4 Emergency telephone number

Emergency Contact : +86-592-7159599

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### SECTION 2: Hazards identification

#### Most important danger hazardous property

##### 2.1 Potential Health Effects

Eye: Dust and process vapors may irritate eye  
Skin: Exposure to molten resin may cause thermal burns  
Inhalation: Dust and process vapors may cause respiratory tract irritation  
Ingestion: Not applicable

##### 2.2 Classification of the substance or mixture

Not a hazardous substance or mixture.

##### 2.3 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

##### 2.4 Hazards not otherwise classified (HNOC) or not covered by GHS

-none

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### SECTION 3: Composition/information on ingredients

Component	Concentration	CAS No.
Polyketone grafted maleic anhydride	>99.8%	/
Maleic anhydride	<0.2%	108-31-6

Note: This product do not contains regulated components.

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
Call a physician.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

#### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) for firefighting if necessary.

#### 5.4 Further information

No data available

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

### **6.2 Environmental precautions**

No special environmental precautions required.

### **6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Keep away from open flame and heat.

Storage class (TRGS 510): 13: Non Combustible Solids.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls Appropriate engineering controls**

General industrial hygiene practice.

### **Personal protective equipment**

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Other protection**

Smoking, eating, drinking water are prohibited in workplace. Avoid drinking stimulant before work. Changing clothes and showering after work. Prior to employment and periodic physical examination is necessary.

#### **Control of environmental exposure**

No special environmental precautions required.

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

a) Appearance	Form: solid
b) Odour	No data available Pellets with minimal odor
c) pH	No data available
d) Melting point/range:	200°C-240°C
e) Initial boiling point and boiling range	No data available
f) Flash point	No data available
g) Evaporation rate	No data available

h) Flammability (solid, gas)	No data available
i) Upper/lower flammability or explosive limits	No data available
j) Vapour pressure	No data available
k) Vapour density	No data available
l) Relative density	1.20 g/mL-1.30 g/mL at 25 °C (77 °F)
m) Water solubility	No data available Negligible
n) Auto-ignition temperature	No data available
o) Decomposition temperature	No data available
p) Viscosity	No data available
q) Explosive properties	No data available
r) Oxidizing properties	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

React with active groups such as hydroxyl, carboxyl group, amino group etc. above the melting temperature.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.

-Carbon oxides Other decomposition products.

-No data available.

In the event of fire: see section 5 .

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Inhalation: No data available.

Dermal: No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

#### Respiratory or skin sensitisation

No data available.

#### Germ cell mutagenicity

No data available.

#### Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

#### Reproductive toxicity

No data available.

#### Specific target organ toxicity -single exposure

No data available.

#### Specific target organ toxicity -repeated exposure

No data available.

#### Aspiration hazard

No data available.

#### Additional Information

RTECS: Not available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available.

No data is available on the product itself. Toxicity is expected to be low based on insolubility in water.

### **12.2 Persistence and degradability**

No data available.

### **12.3 Bioaccumulative potential**

No data available.

### **12.4 Mobility in soil**

No data available.

### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### **12.6 Other adverse effects**

No data available.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

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## **SECTION 14: Transport information**

According to the international and national laws that regulate road, train, air and water transport, this product is not considered dangerous. Refer to Section 7 for material handling and storage during transport.

### **14.1 UN number**

ADR/RID: -                      IMDG: -                      IATA: -

### **14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

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**14.3 Transport hazard class(es)**

ADR/RID: -                      IMDG: -                      IATA: -

**14.4 Packaging group**

ADR/RID: -                      IMDG: -                      IATA: -

**14.5 Environmental hazards**

ADR/RID: no                      IMDG Marine pollutant: no                      IATA: no

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are noted for this product.

**Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out .

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**SECTION 16: Other information**

**Further information**

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