

# Safety Data Sheet

## Fine-Blend<sup>®</sup> CMG5701

According to Commission Regulation (EU) 2015/830

Version 6.2 2020/5/7



Fine-Blend

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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### 1.1. Product identifier

**Product trade name:** Fine-Blend<sup>®</sup> CMG5701

**Chemical name:** Polypropylene grafted with maleic anhydride

### 1.2 Relevant identified uses of the substance or mixture

Compatibilizer or Chain extender for plastic modification

### 1.3 Company information

**Manufacturer:** Fine-Blend Polymer (Shanghai) Co., LTD.

**Address:** NO.3078 Humin RD, Minhang, Shanghai, 201109, China

**TEL:** +86-21-54867166

**FAX:** +86-21-54867996

**Emergency contact:** +86-0513-81903853

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## 2. HAZARDS IDENTIFICATION

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### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

Not a hazardous substance or mixture.

**Classification (67/548/EEC, 1999/45/EC)**

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

### 2.2. Label elements

**Label In Accordance With (EC) No. 1272/2008**

Not a hazardous substance or mixture.

**Hazard Statements**

**Supplementary Precautionary Statements**

Keep away from heat/spark/open flames/hot surface. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

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Take precautionary measures against static discharge.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P285 In case of inadequate ventilation wear respiratory protection.

P261 Avoid breathing vapour/spray.

P321 Specific treatment (see medical advice on this label).

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+313 If skin irritation or rash occurs: Get medical advice/attention.

P342+311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container to...

### **2.3 Other hazards**

No additional information available.

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## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

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Component	Concentration	CAS No.
Polypropylene grafted with maleic anhydride	>99.8 %	25722-45-6
Maleic Anhydride	<0.2 %	108-31-6

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## **4. FIRST AID MEASURES**

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### **4.1 Eye contact**

Flush with plenty of water.

### **4.2 Skin contact**

Wash with water and mild soap.

### **4.3 Inhalation**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician.

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### **4.4 Ingestion**

Drink enough warm water, promote emesis. Call a physician.

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## **5. FIREFIGHTING MEASURES**

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### **5.1 Suitable extinguishing media**

Water, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

### **5.2 Firefighting Instructions**

Wear self-contained breathing apparatus (SCBA).

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## **6. ACCIDENTAL RELEASE MEASURES**

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**Land spill:** Pellets represent a slipping hazard, scoop and sweep up or use industrial vacuum cleaner.

**Water Spill:** Recover spilled material and place in suitable containers for recycle or disposal.

Consult an expert on disposal of recovered material and ensure conformity to federal, state and local disposal regulations.

**Individual precautions:** Ventilate the area. Be careful not to slip on loose pellets.

**Environmental precautions:** Try to prevent the material from entering drains or water courses. Do not contaminate surface water.

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## **7. HANDLING AND STORAGE**

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Store away from oxidizing materials in a cool, dry place with adequate ventilation. Keep away from open flame and heat. Material will burn if exposed to fire. The suitable storage temperature range between 0 °C to 40°C. Material should be stored in packaging similar to that which it was originally shipped in.

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## **8. EXPOSURE CONTROLS /PERSONAL PROTECTION**

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### **8.1 Control parameters**

No additional information available.

### **8.2 Exposure controls**

**Appropriate engineering controls**

General industrial hygiene practice.

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### Personal protective equipment

Provide personal protective equipment. Ventilation equipment is necessary in workplace.

Respiratory protection: Dust mask recommended.

Eye/face protection: Safety glasses with side shields.

Skin protection: Cloth gloves when working with molten plastic.

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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance:** Pellets

**Physical state:** Solid

**Color:** Colorless or white

**Odor:** No odor

**Melting range/Softening range:** >150°C

**Solubility:** insoluble in water

**Specific gravity (H<sub>2</sub>O=1):** 0.85~0.98(g/cm<sup>3</sup>).

**PH:** Not available.

**Vapour density (air=1):** Not available.

**Vapour pressure:** Not available.

**Viscosity:** Not available.

**Decomposition temperature (N<sub>2</sub>, 5%):**>300°C.

**Auto Ignition Temperature (°C):** Not available.

**Flammability Limit-Lower (%):** Not available.

**Flammability Limit-Upper (%):** Not available.

**Partition Coefficient (N-Octanol/Water):** Not available.

**Explosive properties:** Not available.

**Oxidising properties:** Not available.

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## 10. STABILITY AND REACTIVITY

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### **10.1. Reactivity**

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

### **10.2. Chemical stability**

Stable and without self-reaction under normal temperature conditions. Decomposition will occur over the recommended processing temperature.

### **10.3. Possibility of hazardous reactions**

No dangerous reactions known.

### **10.4. Conditions to avoid**

Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

### **10.5. Incompatible materials**

Materials to avoid strong oxidising substances.

### **10.6. Hazardous decomposition products**

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrocarbons. Smoke.

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## **11. TOXICOLOGICAL INFORMATION**

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### **11.1. Information on toxicological effects**

#### **Acute toxicity:**

##### **Acute Toxicity (Oral LD50)**

Not available.

##### **Acute Toxicity (Dermal LD50)**

Not available.

##### **Acute Toxicity (Inhalation LC50)**

Not available.

#### **Skin Corrosion/Irritation:**

Not available.

#### **Serious eye damage/irritation:**

Not available.

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#### **Respiratory or skin sensitisation:**

Not available.

#### **Germ cell mutagenicity:**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive Toxicity**

Not available.

#### **STOT-single exposure**

Not available.

#### **STOT-repeated exposure**

Not available.

#### **Aspiration hazard:**

Not available.

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## **12. ECOLOGICAL INFORMATION**

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### **Ecotoxicity**

There are no data on the ecotoxicity of this product.

#### **12.1. Toxicity**

##### **Acute Toxicity - Fish**

Not available.

##### **Acute Toxicity - Aquatic Invertebrates**

Not available.

##### **Acute Toxicity - Aquatic Plants**

Not available.

##### **Acute Toxicity - Microorganisms**

Not available.

##### **Chronic Toxicity - Fish Early life Stage**

Not available.

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#### **Short Term Toxicity - Embryo and Sac Fry Stages**

Not available.

#### **Chronic Toxicity - Aquatic Invertebrates**

Not available.

#### **Acute Toxicity - Terrestrial**

Not available.

#### **12.2. Persistence and degradability**

Degradability

No data available.

#### **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

#### **12.4. Mobility in soil**

Henry's Law Constant

Not available.

Surface tension

Not 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**

Do not discharge into even any ocean or the waterways or sewer to prevent the aquatic life and birds from taking it.

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### **13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with local environmental regulations.

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### **14. TRANSPORT INFORMATION**

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According to the international and national laws that regulate road, train, air and water transport, this

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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

### **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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## **15. REGULATORY INFORMATION**

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

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

Regulation (EC) No. 1907/2006 -Not applicable.

Labeling according to EC regulations: The product does not require a hazard warning label in accordance with Regulation (EC) No. 1272/2008.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

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## **16. OTHER INFORMATION**

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Caution do not use Fine-Blend<sup>®</sup> materials in applications involving implantation within the body;

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direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid or blood; or prolonged contact with mucous membranes. Fine-Blend<sup>®</sup> materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. Fine-Blend<sup>®</sup> will not provide to customers making devices for such applications any notice, certification or information necessary for such medical device use required by FDA regulation or any other statute.

Fine-Blend<sup>®</sup> makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.