

## 1. Chemical and manufacturer data

Chemical name : CHEMERLON® PC 5983

Suggested use and restricted use

Plastic processing or mixing use

Manufacturer

Dongguan Chemerlon Plastic Co., Ltd

Address

No. 25 Mingzhu Road, West Tailong Village, Shatian Town, Dongguan City, Guangdong Province

Phone :86-0769-88867757

Fax number:86-0769-88867457

Emergency contact number:86-0769-8886777-8888

## 2. Hazard classification

Hazard Category None (not part of GHS 27 hazard categories)

Marking content None (not part of GHS 27 hazard categories)

Other hazards Eyes: Fine powder or smoke emitted during processing, which may cause irritation to the eyes.

Skin: In a high-temperature molten state during processing, contact with the skin may cause skin burns.

Inhalation: Fine powder or smoke emitted during processing, which may cause irritation to the respiratory tract when entering.

Ingestion: If ingested, it is recommended to seek medical attention and remove it.

## 3. Ingredients identification information

Component	Chemical Name	CAS No.	Content(%)
Plastics	PC	25766-59-0	97-100
Additive	-	-	0-3

## 4. First-aid measures

First aid methods for different exposure routes:

suction

If the gas escaping from the molten resin is inhaled, move the patient to a ventilated area and immediately seek medical attention.

Skin contact

If in contact with rubber particles or rubber powder, rinse with clean water.

If in contact with melted adhesive, rinse the affected area and clothing with a large amount of (soap) water and seek medical attention immediately.

Eye contact

If in contact with rubber particles or rubber powder, rinse with plenty of water for at least 15 minutes. If you feel unwell, seek medical attention immediately.

If exposed to gas escaping from high-temperature molten resin, rinse with a large amount of water for at least 15 minutes. If you feel unwell, seek medical attention immediately.

Ingestion

Induce vomiting, rinse mouth with clean water, and if you feel unwell, seek medical attention immediately.

The most important symptoms and harmful effects

No harm when unprocessed. Danger of scalding during processing.

First-Aid Personal Protection

Wear dust mask and safety glasses.

Reminder to physicians

No special antidote is required, and supportive therapy is provided for the symptoms of the patient.

#### 5. Fire protection measures

suitable extinguishing media

Water, foam, dry powder

Special hazards that may be encountered during Firefighting

Not have

Special Fire Fighting Procedures

Remove combustible materials

Firefighters' equipment

Using oxygen supplied respiratory protective equipment

#### 6. Accidental release measures

Personal precautions

If plastic particles or powder remain on the ground, it may cause personnel to slip.

Environmental considerations

To prevent birds or fish from feeding in the drainage system, thorough recycling is necessary

Cleaning method

Recycling or disposal

#### 7. Safe disposal and storage methods

dispose of

Smoking and fire are strictly prohibited in the operating area, and proper organization is required to avoid dust accumulation. To prevent dust explosion, air delivery pipelines, bag filters, and storage tanks must be equipped with static electricity elimination devices and grounded. The filter material of the bag filter is made of conductive material.

**Storage**

Store in a cool place, avoiding direct sunlight, rain, and sudden temperature differences. Smoking and fire are strictly prohibited in the storage area.

**8. Exposure controls measures****Control parameters:**

Permissible concentration (TLV):

Inhalable dust concentration of 5mg/m<sup>3</sup>, with an upper limit of no more than 10mg/m<sup>3</sup> throughout the day.

Personal protective equipment:

Respiratory protection: Use gas mask when cleaning the molding machine.

Hand protection: Use leather gloves when coming into contact with melted adhesive.

Eye protection: Use safety glasses during daily use, and use goggles when cleaning the molding machine.

Skin and Body protection: Long sleeved work clothes

Hygienic measures

If there is residual fine powder after physical contact with the rubber particles, it is recommended to clean it.

**9. Physical and Chemical Properties**

State of matter	Solidity
Shape	Granular
Colour	Off white
Smell	Not have
Melting point	Not Applicable
Ph value	Not Applicable
Boiling point	Not Applicable
Flammable	Not Applicable
Flash point	Not Applicable
Decomposition temperature	Not Applicable
Auto-ignition temperature	>450 °C
Explosion limit	45 g/m <sup>3</sup>
Vapor pressure	Minimally small and negligible
Vapor Density	None (solid)
Density	>1.0
Solubility	Insoluble
Octanol/water partition coefficient	Not have

**10. Stability and reactivity**

Stability: According to general operation and storage procedures, it has good stability

Possible hazardous reactions under special circumstances Not have

Exemption status

Avoid long-term storage in high temperature areas (>300 °C). Under long term high temperatures, it may cause product decomposition.

Substances to avoid

strong oxidant

Hazardous decomposition products

CO, HCN, AN, SM, and NO

Combustion energy

$3.53 \times 10^7$  J/kg (8424 kcal/kg)

## 11. TOXICOLOGICAL INFORMATION

Exposure pathway

Non toxic

Symptom

Not have

Acute toxicity

Not have

Chronic or long-term toxicity

Not have

Thrill

The smoke and vapor generated by the decomposed rubber can irritate the eyes

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

No ecological toxicity

Persistence and degradability

Water cannot be dissolved and remains in a stable state around the environment. After long-term exposure to sunlight, it will present in a surface peeling state. Currently, it is not expected to decompose through biochemical processes.

Bioaccumulation

Not Applicable

Mobility in soil

Unable to decompose through biochemical processes, remaining in soil in terrestrial environments.

Other adverse effects

To prevent ingestion by marine organisms or birds, it is strictly prohibited to dispose of them in the ocean or water.

## 13. Waste Disposal

Waste disposal methods:

Appropriate incinerator combustion or burial methods. Improper incinerators may produce toxic gases such as CO, HCN, AN, and SM.

## 14. Transport Information

International Transport Regulation

Avoid getting damp or being hastily treated, and do not damage the packaging.

If the packaging is damaged, it will cause the adhesive particles to spill out, which is prone to slipping or falling. It should be handled as soon as possible.

United Nations shipping name

Not applicable

Classification of transportation hazards

Not applicable

Packing group

Not applicable

Marine pollutants

Not have

Special transportation methods and precautions Not have

**15. Regulatory information**

Applicable regulations

GB20594~GB20602 Safety regulations for classification, warning labels, and warning instructions of chemicals;

GB20576~GB20593 Safety regulations for classification, warning labels, and warning instructions of chemicals;

Production Safety Law of the People's Republic of China (implemented from November 1, 2002);

Occupational Disease Prevention and Control Law of the People's Republic of China (implemented on December 31, 2011);

Environmental Protection Law of the People's Republic of China (implemented on December 31, 2011);

Regulations on the Safety Management of Hazardous Chemicals (State Council Order No. 591);

Road Transport Regulations of the People's Republic of China (Revised in 2012)

Regulations on the Management of Road Transport of Dangerous Goods (Effective from August 1, 2005)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Content and Project Sequence of Chemical Safety Technical Instructions (GB/T16483-2008)

Guidelines for the Preparation of Chemical Safety Data Sheets (GB/T 17519-2013)

General Rules for Classification and Hazard Disclosure of Chemicals (GB13690-2009)

**16. OTHER DATA**

References

Window making position (watchmaker)

Dongguan Chemerlon Plastic Co., Ltd

Date of

January 6th, 2023