

Chemical Safety Technical Data Sheet

1. Product & manufacturer

Product name: PEI + PCTG modified engineering plastic

Product number: PEI + PCTG

Manufacturer: Dongguan G One material Co., Ltd.

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2. Composition / ingredient information

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Model name: PEI + PCTG

This product does not contain any toxic ingredients, all additives are combined with the compounds physically.

There is no any harm at all when use, handling and producing etc.

3. Dangerous overview

This product does not have any harm at all in room temperature.

It may produce smoke or gas when it is being in producing temperature (150°C-250°C), which may stimulate eyes, skin and respiratory system if it is poor ventilation.

Molten polymer may cause burns to eyes and skin.

Abandoned particles may make people slip.

Chronic harm: no

Invasive approach: Molten polymer will touch with eyes or skin when inhaling steam.

Carcinogenicity: International Agency for Research on Cancer (IARC) does not include it at all.

4. First-aid

Inhale: Please transfer the victim into a place with fresh air if he inhale producing gas or decomposition of substances. Please it continues, please find a doctor for treatment.

Eye touch: Please wash it with water.

Skin touch: Wash touching area with soapy water, if molten polymer touches skin, please cool it with water or ice fast, and remove adhesives, handle burned area with the help of doctor.

Ingestion: Adverse effects are unknown.

5. Fire-fighting measures

Combustion: Polymer is degenerated which cause smoke under fire.

Extinguishing media: Please extinguish the fire by using dry powder, CO₂, sprinkle water or general foam if the fire is small. Sprinkling water or using conventional fire foam, water column to put out a fire if it is a little big.

Fire fighting equipment: Firefighter should equip a positive pressure breathing respirator, wear protective suit, evacuate crowds and isolate the fire source.

6. Leaked emergency treatment

Please clean and put it into the container, use it for production or dispose it if it is scattered.

7. Processing and storage

Please process products below the suggested processing temperature. There should be good ventilation measures in most instances, also equip partial air exhausts in operating area.

Avoid inhale dust, produced by machinery equipment.

Use suitable ground connection to avoid forming static electricity when carrying it.

Particles, slipped on floor, may make people fall.

Storage advice:

In order to protect product quality, you are suggested to store and pack them with tightly seal in cold and dry area.

8. Touch controls / personal protects

Respiratory system protection: There is no need respiratory system protection in most instances. Please wear air purifier when processing in high temperature in case of poor ventilation.

Eye protection: Please wear a goggles if there is a potential risk of getting in touch with solid particles, or eye maladjustment cause by steam.

Skin protection: Please wear a gloves in the process of handling hot product processing.

9. Physical and chemical properties

Exterior: Transparent square solid particle

Flavor: No flavor

Boiling point / range: ----

Melting point / range: ----

Air pressure: ---

Solubility: Insoluble with water

10. Stability and reactivity

Product is stable in room temperature.

Polymerization harm: No harm

The steam of molten polymer is water, carbon dioxide and other degradation products.

Toxic degradation products: it may include CO, CO₂, and small amount of Cyanide, Nitrogen oxides, Alkane, Isocyanate, water vapor and mentioned mixtures, smoke.

Heat it under 260°C.

11. Toxicological information

Inhale: Do not expose it dust and gas in room temperature. It may cause stimulation or sensitization under the influence of high temperature processing gas.

Eye touch: Solid and dust may cause stimulation because of working of mechanical movement.

Gas, produced by increasing working temperature, may stimulate eyes.

Skin touch: There is no stimulation to skin in room temperature.

12. Ecological information

This product does not have any negative impact.

13. Disposal matters

Unused products are not regarded as harmful waste.

Do not it pour into the sewer, floor or water.

It can be handled by bury and burn according to local law regulations.

14. Transport information

This product is safe during delivery, it does not controlled by domestic and international transportation.

15. Regulatory mark

It does not need mark according to Chinese law regulations.

European Inventory of Existing commercial Chemical Substances (EINECS): all of materials of this product has been included into EINECS.

Toxic Substance Control Act: All ingredients has been noted in TSCA catalog.

16. Other information

The information provided in the Data Security Table is based on our current level of knowledge to maximize its correctness. The given information is based on a guide to the safe of use, transport, handling, storage. The information provided in this article is based on a clear composition, the characteristics of its mix use or special handling are invalid.

Date: 2016/11/02

Department: Quality Department