



SHENG YAO CHEMICAL ENTERPRISE CO., LTD.

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1F., No.10, Ln. 532, Bade W. Rd., Renwu Dist.,
Kaohsiung City 81457, Taiwan (R.O.C.)

物質安全資料表

Material Safety Data Sheet

Date / Revised : 12. Mar. 2014

Product: SD.FD.BR Polyamide-6 chip

1. Substance/preparation and company identification

Company: Sheng Yao Chemical Enterprise Co., Ltd.

1F., No.10, Ln. 532, Bade W. Rd., Renwu Dist.,

Kaohsiung City 81457, Taiwan (R.O.C.)

TEL : 886-7-3739820 / FAX : 886-7-3721760

Emergency contact phone numbers/fax numbers :

Tel Number : 886-7-3739820

Fax Number : 886-7-3721760

2. Hazards identification

Hazards Warning: Ingestion might be fatal.

Hazards Prevention: Keep away from heat and ignition sources.

3. Composition/information on ingredients

Chemical nature :

Polyamide (PA6) CAS Number: 25038-54-4

Content (weight %) : Semi Dull : 99.7%, Full Dull : 98.4% , Bright : 100%)

Titanium dioxide CAS Number : 13463-67-7

Content (weight %) : Semi Dull : 0.30%, Full Dull : 1.6% , Bright : 0%)

4. First-aid measures

Ingestion: Immediate hospital treatment.

Most important symptoms and effect: Ingestion will cause hazards.

Indication of any immediate medical attention and special treatment needed:

Gastric lavage is considerable for a subject with ingestion.

5. Fire-fighting measure

Suitable extinguishing media:

Water, Foam, Dry Chemical, Carbon Dioxide.

Specific hazards:

At temperatures of $>300^{\circ}\text{C}$ can be emitted carbon monoxide, hydrogen cyanide. Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Advices for firefighters:

Use chemical resistant suit with self-contained breathing apparatus operated in a positive pressure.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Environmental precautions:

Move away all ignition sources.

Methods and material for containment and cleaning up:

Extinguish fire and ignition sources ; Make sure no flame, smoke, and ignition sources within leaking area.

7. Handling and storage

Handling

1. Product should be transported by certified personnel. Breakage during transportation should be avoided.
2. Product should use vacuum packaging.
3. Instruments and electric equipment should be sparkle-free.
4. Non-smoking in operation and storage area.

Storage

1. Store in clean well, ventilated areas. Keep away from heat, ignition sources. Avoid from direct sun light.

8. Exposure controls and personal protection

Personal protective equipment:

General safety and hygiene measures: none

9. Physical and chemical properties

Form:	granules	
Color:	white, bright	
Odour:	odourless	
Melting temperature:	Approx. 220 °C	(DIN 53736)
Ignition temperature:	>400 °C	(ASTM D1929)
Density:	1.12~1.15 g/cm ³	
Bulk density:	approx. 700 kg/m ³	
Solubility in water:	insoluble	

10. Stability and reactivity

Reactivity: Under normal condition it is a stable material.

Possibility of hazardous reactions: Store with temperature lower than 85°C to avoid oxidization.

Conditions to avoid: Heat, Flame, Ignition sources.

Incompatible materials: Strong Acid, Cresol, DMF and other solvents.

Hazardous decomposition products: Carbon Monoxide, Carbon Dioxide.

11. Toxicological information

Additional information:

In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12. Ecological information

Eco-toxicity: NA

Mobility: NA

Persistence and degradability: NA

Bioaccumulation potential: NA

Other adverse effects: NA

Additional information: NA

Other eco-toxicological advice:

No data can be given due to the product' s insolubility in water. At the present state of knowledge, no negative ecological effects are expected.

13. Disposal considerations

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

Contaminated packaging: Packs must be completely emptied.

14. Transport information

Not classified as hazardous under transport regulations.

Package type: Vacuumed aluminum bag, Nitrogen tank.

Special precautions for users: Avoid breakage and water contamination.

15. Regulatory information

Applicable regulations :

Labor safety and health law.

Road traffic safety law.

16. Other information

Information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing laws and regulations.

Factory location: Taiwan