

Material Safety Data Sheet

Absorbent Masterbatch #347

Samjin Polytech Co., Ltd.

Revision Date : 2022. 06. 15

1. Product and Company Identification

Product Name	Absorbent Masterbatch (#347)	
Application	for PS Foam Trays	
Company	Manufacturer	Samjin Polytech Co., Ltd.
	Address	435-58, Cheongbuk-ro, Cheongbuk-myeon, Pyeongtaek-si, Gyeonggi-do, Korea
		Telephone

2. Information about Ingredients and Composition

Ingredient	CAS No.	Contents (%)
Polystyrene	9003-53-6	56.0
Water Absorbent Agent	85711-69-9	22.0
Talc	14802-01-7	18.0
Others	-	4.0
Total		100.0

3. Hazards Identification

1) NEPA ratio (Scale 0~4) : Health = 0, Fire =1, Reactivity = 0

2) Emergency Overview

- Color : Colorless to nature
- Physical Form : Solid (Pellet)
- Odor : Odorless

3) Potential Health Effects

- Inhalation : May cause irritation
- Skin Contact : No information is available
- Eye Contact : No information is available
- Ingestion : May cause irritation

4. First Aid Measures

- 1) Inhalation : Remove from exposure immediately. Use a bag valve mask or similar device to perform CPR if needed.
Get medical attention, if needed.
- 2) Skin Contact : Remove contaminated clothing, jewelry, and shoes immediately.
Wash out with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes.)
Get medical attention, if needed.
- 3) Eye Contact : Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids until no evidence of chemical remains. Get medical attention, if needed.
- 4) Ingestion : If vomiting occurs, keep head lower than hips to help prevent intake.
Get medical attention, if needed.

5. Fire and Explosion Data

- 1) Fire and Explosion Hazards : Slight fire hazard when exposed heat or flame.
- 2) Extinguishing Media : regular dry chemical, water, regular foam
- 3) Extinguishment : Move container from fire area if possible.
Do not scatter spilled material with high-pressure water streams.
Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation or combustion by-products.
Stay upwind and keep out of low areas.
- 4) Flash Point : No data available
- 5) Flammable LIMITS-LEL : No data available
- 6) Flammable LIMITS-UEL : No data available

6. Accidental Release Measures

- 1) Occupational Release : Collect spilled material in appropriate container for disposal.
Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.
- 2) Evaporation Rate : Not applicable

7. Handling and Storage

Store and handle in accordance with all current related environmental regulations and standards. Keep separated from incompatible substances.

8. Exposure Controls, Personal Protection

- 1) Exposure Limits : No data available
- 2) Ventilation : Provide local exhaust or process enclosure ventilation system.
- 3) Eye Protection : Wear splash resistant safety goggles.
- 4) Clothing : Employ must wear appropriate protective clothing with this substance
- 5) Gloves : Employ must wear appropriate protective clothing with this substance

9. Physical and Chemical Properties

- 1) Physical State : Solid (Almost odorless, colorless to Nature, Pellet)
- 2) Appearance : Opaque
- 3) Color : Natural
- 4) Odor : Not available
- 5) Boiling Point : Not applicable
- 6) Melting Point : 150~180 °C
- 7) Vapor Pressure : Not applicable
- 8) Vapor Density : Not applicable
- 9) Specific Gravity (Water=1) : 1.15~1.25
- 10) Water Solubility : Insoluble
- 11) PH : Not applicable
- 12) Volatility : Not applicable

10. Stability and Reactivity

- 1) Reactivity : Stable at normal temperatures and pressure.

- 2) Conditions to Avoid : Avoid heat, flames, sparks and other sources of ignition.
Avoid contact with incompatible materials
- 3) Incompatibilities : combustibile materials, halo carbons, halogens, oxidizing materials, acids
- 4) Hazardous Decomposition : Thermal decomposition products : acrolein, aldehydes, oxides of carbon
- 5) Polymerization : Not reported about harmful polymerization under conditions of normal use.

11. Toxicological Information

- 1) Oral Toxicity : Non-Toxic
- 2) Health Effect : No data available

12. Ecological Information

- 1) Environmental impact rating (0~4) : No data available
- 2) Acute Aquatic toxicity : No data available
- 3) Degradability : No data available
- 4) Log bioconcentration factor : No data available
- 5) Log octanol/water partition coeficient : No data available

13. Disposal Considerations

Dispose in accordance with all applicable regulations.

14. Transportation Information

International Regulation

UNRTDG

Not regulated as a dangerous good.

IATA-DGR

Not regulated as a dangerous good.

IMDG-Code

Not regulated as a dangerous good.

- UN number : Not applicable
- Proper Shipping Name : Not applicable
- Class : Not applicable
- Subsidiary Risk : Not applicable
- Packing Group : Not applicable
- Labels : Not applicable
- EmS Code : Not applicable
- Marine Pollutant : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

Not applicable for product as supplied

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

- Remarks : Not classifies as dangerous in the meaning of transport regulation.

15. Regulatory Information

National regulatory information

Industrial Safety and Health Act

Harmful Substances Prohibited from Manufacturing : Not relevant

Harmful Substances Required Permission for Manufacture : Not relevant

Controlled Hazardous Substances : Not relevant

Controlled Substances Subject to Environment Monitoring : Not relevant

Controlled Substances Subject to Health Examination : Not relevant

Toxic Chemicals Control Act

Toxic Chemicals : Not relevant

Observational Chemicals : Not relevant

Restricted Chemicals : Not relevant

Prohibited Chemicals : Not relevant

Toxic Release Inventory : Not relevant

Accident Precaution Chemicals : Not relevant

Dangerous Substances Safety Management Act

Not applicable to Dangerous Materials

Waste Control Act

Industrial Waste

Follow Article 13 of the Act to dispose the product waste

Other requirements in domestic and other countries

No data available

16. Other Information

Sources of key data used : No data available
to compile the Safety Data
Sheet

Revision Number and Date

Number of Revision : 1.1

Revision Date : 2022/06/15

Other Information : No data available

Date Format : yyyy/mm/dd

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