

C-PAK PTE LTD

2304, Bedok Reservoir Road, #04-01,
Bedok Industrial Park C, Dou Yee Building, Singapore 479223.
Tel : (65) 62440028 Fax : (65) 62440029
Website: www.cpak.com.sg E-mail: sales@cpak.com.sg

SAFETY DATA SHEET

Date of Issue: 25 July 2022

1 : IDENTIFICATION

Product Name: **Antistatic Coated PS Plastic Reel Material**

General Use : Packaging material for Electronic devices.
Product Description : Article, plastic reel.

Manufacturer: C-PAK CERGAS SDN. BHD.
Address: Lot 22, Lorong Bunga Tanjung 3/1, Senawang Industrial Park, 70400 Seremban, Negeri Sembilan, Malaysia
Tel: (60) 6-6785629
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2 : HAZARDS IDENTIFICATION

GHS classification: Not Applicable (article)
Hazard pictogram: Not Applicable
Signal words: Not Applicable
Emergency overview: Odorless. It can burn in a fire.

3 : COMPOSITION / INFORMATION ON INGREDIENTS

Antistatic Coated PS Plastic Reel Material

<u>CAS Number</u>	<u>Ingredient</u>	<u>%</u>
9003-55-8	High Impact Polystyrene	> 98%
18602-17-0	Methyl Ammonium Sulfate	<2%

4 : FIRST AID MEASURES

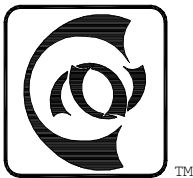
After inhalation: Gas (general carbon dioxide) maybe emitted when the material is heated at high temperature. When inhaling this gas severely, move to the place with fresh air. When coughing and breathing difficulty will occur, get medical attention.

After eye contact: In usual handling, it does not go into the eye. When entering, it may damage the eyeball. Wash the eye with pure water and get medical attention.

After skin contact: There is usually no skin obstacle by contact. If abnormalities occur, flush the skin with pure water. Cutting of the skin may be carried out when the skin is strongly rubbed with the edge of a sheet. Molten plastics can cause severe burns. Cool rapidly with water and immediately obtain medical attention to remove the cooled plastic.

After ingestion: Ingestion does not happen in usual handling. If less, it does not need special action. If abundant, induce vomiting and get medical attention.

Protection to first aider: Not Available



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5 : FIRE FIGHTING MEASURES

- Flammable properties: Black smoke and carbon monoxide, etc. may occur by heat decomposition and imperfect combustion of polymer ingredient.
- Extinguishing media: Water, water spray, dry chemical, carbon dioxide, foam.
- Fire fighting: Sever the source of combustion like a general fire and extinguish the fire using a lot of water and a fire-extinguisher. Use suitable protection implement for avoiding risks of inhaling those and barring a field of view for injury on fire-extinguishing activity.

6 : ACCIDENTAL RELEASE MEASURES

- Land spill: Sweep or vacuum material and place in a disposal container.
- Water spill: Pick it up with the net of an appropriate stitch and place in a disposal container.

7 : HANDLING & STORAGE

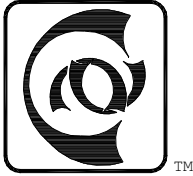
- Handling: Although there is no fear such as ignition, combustion, and explosion in normal temperature, it can burn at high temperature.
- Storage: Store in room at normal temperature and avoid to exposure to rain, wind, and direct sunshine.

8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values: It usually does not occur, but it is appropriate to apply the following values when it became the particle.

<u>Chemical name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polystyrene	5mg/m ³ (TWA)	3mg/m ³ (TWA)
Additives	Not Established	Not Established

- Occupational exposure controls:
- Engineering Controls: Not Available
- Personal Protection: Not Applicable
- Hand Protection: Not Applicable
- Eye Protection: Not Applicable
- Skin Protection: Not Applicable
- Environmental Exposure Controls: Not Available



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9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Physical State:	Solid
Color:	Varies with product
Odor:	Negligible odor
pH:	Not Applicable
Melting Point:	120°C - 220°C.
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Auto Ignition Temperature:	350°C
Flammability:	No information
Lower Flammability Limit:	Not established
Upper Flammability Limit:	Not established
Vapor Pressure (1 mm Hg):	Not Applicable
Vapor Density (air = 1):	Not Applicable
Specific gravity /Density:	1.04 - 1.06
% Volatile:	Negligible
Evaporation Rate:	Negligible
Solubility:	Insoluble in water

10 : STABILITY AND REACTIVITY

Although there is no knowledge now, the following view is appropriate.

Conditions to avoid:	Avoiding direct sunshine. Stable at normal temperature.
Stability:	Stable at normal temperature.
Material to avoid:	Not Available.
Hazardous reactions /	
De-composition products:	Carbon monoxide, Carbon dioxide.
Thermal Decomposition Gases:	Under the conditions of melt processing, thermal decomposition may include carbon monoxide, carbon dioxide, hydrocarbons and other organic vapor.

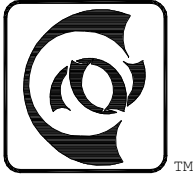
11 : TOXICOLOGICAL INFORMATION

Although there is no knowledge now, the following view is appropriate.

Acute Toxicity:	Inactive physiologically and there is no special acute action to a human body.
Eye Irritation:	Solid or dust may cause irritation or corneal injury due to mechanical action.
Skin Irritation:	Essentially non-irritating to skin. Mechanical injury only.
Inhalation:	At room temperature, exposure to vapors is unlikely due to physical properties. Higher temperatures may generate vapor levels sufficient to cause irritation and other effects.
Sensitization:	Not Available
Mutagenicity:	Not Available

12 : ECOLOGICAL INFORMATION

Exotoxicity:	Material is considered to be stable that it is hard to decompose, it must not be abandoned anywhere to prevent sea living things and birds to take in.
Persistence and Degradability:	In the aquatic environment, this product should not present problems because of the extremely low solubility. In the soil, material is inherently very difficult to degrade.
Bio-accumulative potential:	Not Available.



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Others: Not Applicable

13 : DISPOSAL CONSIDERATIONS

Comply with all federal state and local regulations. Do not dump this product into sewer on the ground or into any body of water.

The material shall be disposed of in accordance with the laws, regulations and ordinances concerning the disposal of wastes. Since the amount of heat released is large in the case of incineration, a special incinerator shall be used for incineration a large quantity of the substance.

14 : TRANSPORT INFORMATION

US department of Transportation (DOT)

Hazardous Materials: Not Applicable

Product is not classified for any mode of transportation.

Check to be certain that there is no damage to the container and load it in such a manner that there will be no fall, drop or damage, while making sure that the load will not collapse.

15 : REGULATORY INFORMATION

OSHA status: (When it became the particle, this rule applies to it.) This product is hazardous under 29 CFR 1910.1200.

TSCA status: All components on TSCA inventory.

CERCLA reportable quantity: Not Applicable

SARA TITLE III

Section 302(40CFR355): Not Applicable

Section 311/312(40CFR370): Not Applicable

Section 313(40CFR372): Not Applicable

16 : OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions to infringe any existing patents or violate any federal, state or local laws, rules, regulations or ordinances.

If you have questions with regard to health effects, or other information presented in this document, contact:
C PAK PTE LTD.