

## **SAFETY DATA SHEET**

**Product: APET CLEARNORMAL**

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### **Section 1: Chemical Product and Company Identification**

Trade Name : APET SHEET  
Chemical Name : AMORPHOUS POLYETHYLENE TEREPHTHALATE SHEET  
Chemical formula : Polyethylene terephthalate (C<sub>10</sub>H<sub>8</sub>O<sub>4</sub>)<sub>n</sub>  
Cas No. : 250388-59-9  
Industry Sector : Plastic processing industry  
END Uses : Vacuum forming, Thermoforming, Cut sheet

Company Identification : JAPAN PLUS VIET NAM Co., Ltd  
Manufacturer's Address : Lot A7-1, Road D8, Dong Nam IP,  
Binh My Commune, Cu Chi Dist, HCM city,  
Viet Nam  
Tel: +84-28-37351000  
Fax: +84-28-37351200

### **Section 2: Composition / Information on Ingredient**

Main Ingredients : Polyethylene Terephthalate > 97.0 Wt % (Cas No.: 25038-59-9)  
Additives : Trace < 3.0 Wt %

### **Section 3: Hazards Identification**

This product has not been tested „as is“ . The information provided on the health effects of this product is based on data on the individual components.

No particular hazards known.

The relevant minimum standards for protective measures in the plastic manufacturing should be observed.

### **Section 4: First Aid Measures**

Ingestion : Unlikely to be required, but if necessary, treat symptomatically,

Eye Contact : Remove the product and rinse thoroughly with water. If easy to do, remove contact lenses.

Skin Contact : After contact with molten product, cold quickly with cold water. Do not pull solidified product from skin, take for medical treatment.

Inhalation : If symptomatic, move to fresh air. Get medical attention if symptoms persist.

## **Section 5: Fire Fighting Measures**

Suitable extinguishing media : Water spray, Dry chemical, Foam  
Special fire fighting instruction : Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products : Carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO)  
Extinguishing media that must NOT used for safety reason : Full water jet

## **Section 6: Accidental Release Measures**

When picked up and swept up, treat material as prescribed under heading "Disposal".  
Dispose of in accordance with local regulations.

## **Section 7: Handling and Storage**

Precautions for safe handling:

Ensure good general ventilation in the workplace; local exhaust ventilation may be necessary as and when required.

Prevention of fire and explosion:

Keep away from oxidizing materials and take precautions against accumulation of electrostatic charge.

Condition for safe storage:

Store materials sheltered in a cool and well-ventilated place. Keep away from moisture, heat and source of ignition.

The material has shelf life of 3 years.

## **Section 8: Exposure Control and Personal Protection**

Unlikely to cause harmful effects under normal conditions of handling and use.

General protective measures:

Observe the usual precautions for handling solid materials.

Hygiene measures:

The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat or smoke during the handling of product; clean hands and face during work interval and after work.

Eye/ Face protection:

Wear Safety Glasses to prevent any eye contact when necessary.

Skin/ Hand protection:

Wear Leather Gloves, Nitrile Rubber Gloves etc. as and when the particular working conditions required.

Respiratory protection:

In case of insufficient exhaust ventilation or prolonged exposure, use respiratory protection equipment.

Recommended decontamination facilities:

Eyewash, shower and standard washing facility.

## Section 9: Physical and Chemical Properties

Physical form	: Solid
Colour	: Clear
Odour	: Odourless
Solubility (in water, ambient temperature)	: Insoluble
Boiling Point (°C)	: Not applicable
Melting Point (°C)	: 235 ~ 265 °C
Vapour Pressure (mm of Hg at 25 °C)	: Not applicable
Percentage Volatiles	: Not applicable
Evaporation Rate	: Not applicable
Vapour Density	: Not applicable
Specific Gravity	: 1.33 ~ 1.40
Flash Point (°C)	: 440 °C
Auto-ignition Temperature	: None
Flammable limit (%)	: Not applicable
Food Contact	: Approved

## Section 10: Stability and Reactivity

Stability	: Stable under normal conditions
Incompatibility (Materials to avoid)	: Strong oxidizing agent
Combustion products	: Carbon dioxide, Carbon monoxide
Thermal decomposition	: Acetaldehyde, Ethylene
Hazardous polymerization	: Will not occur

## Section 11: Toxicological Information

Toxicity data	: None
Carcinogenicity	: None
Reproductive effect	: None
Effects of overexposure	: None
Chronic effects	: None
Target organs	: None
Medical conditions generally aggravated by exposure	: None

## Section 12: Ecological Information

Mobility	: Will slowly degrade with exposure to UV light.
Bioaccumulation	: No data available
Biodegradability	: No data available
Aquatic toxicity	: No data available

## Section 13: Disposal Consideration

To follow local regulations regarding disposal.

## Section 14: Transport Information

Any international and national regulatory requirements: None  
Packaging information : Using paper core and pallet.  
Any other special requirements : None  
Transportation : By land transport or sea transport or air freight.

## Section 15: Regulatory Information

User : Not classified as hazardous to users  
Transport : Not classified as hazardous for transport

## Section 16: Other Information

Workers using APET sheet should read and understand this MSDS and be trained in the proper use of this material.

For other technical information, please contact **Japan Plus Viet Nam Co., Ltd.**

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The data are based on the current state of our knowledge and are intended to describe the product with regard to the requirements of safety. The data should not be taken to imply any guarantee of a particular or general specification. It is the responsibility of the user of the product to ensure his satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale applied.