



Material Safety Data Sheet



Polyester Film (PET Film)

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

A. Name of product : Polyester Film (PET Film)

B. Recommended use of the chemical and restrictions on use

- Recommended use : This product is widely used for food packaging, industrial and optical materials etc.
- Restriction on use : Used for only recommended uses.

C. Supplier identifier

- Company name : HYOSUNG CORPORATION, Yongyeon Plant
- Address : 130, Yongyeon-ro, Nam-gu, Ulsan, Korea
- Emergency phone number : +82-52-279-0408

2. HAZARDS IDENTIFICATION

- * Since all ingredients are physically bound in the matrix during its manufacturing process, it is unlikely to be exposed to individual components when this product is handled, processed, and used in its normal applications.
- * Burning : Toxic gases and fumes may be given off during burning or thermal decomposition.

2.1 GHS Classification

Not applicable

2.2 GHS Label elements, including precautionary statements

- Pictogram and symbol : Not applicable
- Signal word : Not applicable
- Hazard statement : Not applicable
- Precautionary statement : Not applicable

2.3 Other hazard information not include in hazard classification : Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	Chemical Name	Common Name	CAS No.	Contents(%)
PET Film	Poly(ethylene terephthalate)	Poly(oxy-1, 2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl); PET	25038-59-9	≥ 99.8%
Silica	Confidential	Confidential	Confidential	≤ 0.2%

* These compositions may be listed for "Right-To-Know" compliance.

4. FIRST AID MEASURES

※ No first aid measures are anticipated in normal use and application.

A. Eye contact :

- In case of contact with substance, flush eyes with running water.

B. Skin contact :

- This product is not harmful by skin contact.

C. inhalation :

- There is no dust hazard from this product by inhalation. If overexposure to dust, move victim to fresh air.

D. Ingestion :

- Do not induce harmful effects by ingestion.

E. Indication of immediate medical attention and notes for physician

- No specific advice. Treat symptomatically.

5. FIRE FIGHTING MEASURES

A. Suitable (and unsuitable) extinguishing media :

- Any common extinguishing media can be used.

B. Specific hazard arising from the chemical :

- This product is composed of some kinds of flammable polymer and fire may produce smoke.
- This product itself does not burn without any heat source such as combustible films.
- Like other general films, it may decompose upon heating to produce hazardous gases to health such as carbon monoxide, nitrogen oxides and other incompletely oxidized organic gases.

C. Special protective equipment and precautions for fire-fighters :

- Keep all sources of ignition (including static electricity) away.
- Breathing apparatus should be worn to protect from hazardous gases which may be generated by thermal decomposition and combustion.

6. ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures :

- Normally, there has been no serious problem related to the spill/leak because PET is a solid and stable substance.

B. Environmental precautions and protective procedures :

Not available

C. The methods of purification and removal :

Not available

7. HANDLING AND STORAGE

A. Precautions for safe handling and Conditions for safe storage :

- This product can contain sharp edges, wear appropriate protective gear, such as gloves
- Store in a clean, cool, and dry place.
- Separate from hazardous materials such as pesticides or PCB.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Occupational Exposure limits :

- Not available

B. Appropriate engineering controls :

- Sufficient local exhaust ventilation is recommended.
- During certain heat treatment, effective ventilation is more important.

C. Personal protective equipment :

- No special protective equipment is necessary under normal processing conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

A. Appearance : Clear or light-coloured film

B. Odor : Odorless

C. Odor threshold : Not available

D. pH : Not available

E. Melting point/freezing point : 256-265°C

F. Initial boiling point and boiling range : Not available

G. Flash point : Not available

H. Evaporation rate : Not available

I. Flammability(solid, gas) : Not available

J. Upper/lower flammability or explosive limits : Not available

K. Vapor pressure : Not applicable

L. Solubility(ies) : Not applicable

M. Vapor pressure : Not available

N. Specific gravity : 1.4

O. Partition coefficient(n-Octanol/water) : Not available

P. Auto ignition temperature : Not available

Q. Decomposition temperature : Not available

R. Viscosity : Not available

S. Molecular weight : Not available

10. STABILITY AND REACTIVITY

A. Chemical stability and Possibility of hazardous reactions :

- Stable under normal temperatures and pressures.

- There is no hazardous polymerization at normal temperatures and pressures.

B. Conditions to avoid :

Not available

C. Incompatible materials :

Strong oxidizers

D. Hazardous decomposition products :

- The thermal decomposition can produce carbon monoxide, carbon dioxide, hydrocarbons and metal oxides.

11. TOXICOLOGICAL INFORMATION

MSDS of this product is not for the substance but for the article. It is not available for implementation of GHS.

A. Information of health hazardous

Not available

- ※ All components of this product are not classified or regulated as a carcinogen by OSHA, ACGIH, NTP, or IARC.

12. ECOLOGICAL INFORMATION

- A. Ecological toxicity : Not available
- B. Persistence and degradability : Not available
- C. Bioaccumulative potential : Not available
- D. Mobility in soil : Not available
- E. Other hazardous effect : Not available

13. DISPOSAL CONSIDERATION

- Disposal method and precaution :
 - This product is not a dangerous goods, and should be incinerated or landfilled in compliance with environmental regulations.
 - Waste water containing small amount of residual solvent and some specific inorganics must be disposed in a waste water treatment plant in accordance with environment regulations.

14. TRANSPORT INFORMATION

This product is not classified as a dangerous goods.

15. REGULATION INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: All ingredients in this product are listed on the TSCA Inventory list.

OTHER TSCA ISSUES: None

SECTION 311 HAZARD CLASS: None

SARA 313 TOXIC CHEMICALS: None

The following ingredients are SARA 313 "Toxic Chemicals." CAS numbers and weight percents are found in Section 3.

Foreign Inventory Status

Australia (AICS): Present

Canada (DSL): Present

China (IECSC): Present

Japan (ENCS): Present

Korea (KECI): Present

New Zealand (NZIoC) : Present

Philippines (PICCS): Present

EU (EINECS/ELINCS/NLP): Polyester film is not classified as a hazardous substance under EU regulations. The polymer is exempted from registration.

16. OTHER INFORMATION

A. Issuing date : 2012.3.28

B. Revision number and date

revision number : 1st

date of the latest revision : 2013.7.15

* Other

- The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.
- All the individuals expected to work with this product should read and understand the information provided in this MSDS prior to the start of processing.
- The conditions of your use and application of our products, technical assistance and information are beyond our control.
- Therefore, it is imperative that you test our products, and check technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications.
- It does not represent any guarantee of the properties of the product.

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It is not applicable for implementation of GHS.