



MATERIAL SAFETY DATA SHEET

Trade name : TOPLON

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1. PRODUCT AND COMPANY IDENTIFICATION

- o Product name : PET(Poly Ethylene Terephthalic acid) Yarn
- o Product code : Not assigned
- o Supplier
 - Name : Hyosung Coporation
 - Address
450, Kongduk-Dong, Mapo-gu,
Seoul 120-020, Korea
 - Emergency telephone no : 82-2-707-7801
 - Phone No : 82-2-707-7801
 - Fax No : 82-2-714-9570

2. COMPOSITION/INFORMATION ON INGREDIENTS

- o Substance or preparation
 - TPA(Terephthal acid) + EG(Ethylene glycole) : 99.1%
 - Water : 0.2%
 - Finish oil : 0.6%
 - Else : 0.1%
- o For substance
 - Common chemical name : PET(Poly Ethylene Terephthalate)
 - Synonyms : Polyester
 - Ingredients contributing to the hazard : Not applicable
- o For preparation
 - Chemical nature : Not applicable
 - Components contriuting to the hazard : Not applicable
 - Impurities contributing to the hazard : Not applicable

3. HAZARDS IDENTIFICATION

- o Most important hazards
 - Adverse human health effects : May be irritating to eye and skin
 - Environmental effect : Not degrade in air and ground
 - Physical and chemical hazards : Not applicable
- o Main symptoms : No symptoms
- o Classification of preparation : Not applicable
- o Emergency overview : No



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4. FIRST AID MEASURES

- o Information subdivided into sub-headings
 - Inhalation : No effect
 - Eye contact : Wash soap & water
 - Skin contact : Wash soap & water
 - Ingestion : Rinse out mouth and give plenty of water to drink
Summon a doctor immediately
- o Brief description of the most important symptoms and effect
Symptoms and effects are not present state of knowledge.
- o Protection of first-aiders : Not applicable
- o Notes to a physician : Not relevant

5. FIRE FIGHTING MEASURES

- o Suitable extinguishing media
 - dry powder for chemical fiber fires
 - Sand, sodaash, sodium chloride
 - Water spray jet
- o Specific precautions : Not applicable
- o Specific methods : Not applicable
- o Protection of fire-fighters
 - Do not inhale combustion gases
 - Use extinguishing agents appropriate for surrounding fire

6. ACCIDENTAL RELEASE MEASURES

- o Personal precaution : Avoid contact with eyes and skin
- o Environmental precaution : Do not bury into ground
- o Methods for cleaning up : No special methods necessary
- o Prevention of secondary hazards : Not applicable



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7. HANDLING AND STORAGE

- o Handling
 - Keep container tightly closed
- o Technical measure
 - Keep away from sources of ignition – do not smoke
- o Precaution : Not applicable
- o Safe Handling advice : Not applicable
- o Storage condition
 - Avoid contact with air. Keep dry. Keep out of water supplies and sewers
 - Store material away from humid area and keep dust/fume away.
- o Incompatible products : Water, acids, combustible material, oxidizing material

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- o Engineering measure : Not applicable
- o Control parameters : Not applicable
- o Personal protective equipment
 - Respiratory protection : No special equipment necessary
 - Hand protection : Put on gloves
 - Eye Protection : No special equipment necessary
 - Skin and body protection : No special equipment necessary
- o Hygiene measure : No special measures necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

- o Physical state : Solid
- o Form : Yarn
- o Color : Bright(white)/Semi-Dull
- o Odor : Odorless
- o PH : Not applicable



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- o Melting point : approx. 255 -260℃
- o Decomposition temperature : Not applicable
- o Flash Point : Not applicable
- o Autoignition temperature : Not applicable
- o Explosion properties : Have not explosion properties
- o Vapor pressure : Not applicable
- o Vapor density : Not applicable
- o Density : 1.30~1.40
- o Solubility : Soluble in phenol solvent
- o Octanol water partition coefficient : Not applicable

10. STABILITY AND REACTIVELY

- o Stability : Not applicable
- o Hazardous reactions : Not applicable
- o Condition to avoid : Avoid contact with air. Keep out of water supplies and sewers.
- o Material to avoid : Water,acids,combustible material,oxidizing material
- o Hazardous decomposition products : Not applicable

11. TOXICOLOGICAL INFORMATION

- o Acute toxicity : Have not acute toxicity
- o Local effect : Not applicable
- o Sensitization : Not applicable
- o Chronic toxicity or long term toxicity : Have not chronic toxicity
- o Specific effects : Not applicable



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12. ECOLOGICAL INFORMATION

- o Possible environmental effect, behavior and fate
 - Mobility : Have mobility
 - Persistence/degradability : Persistent in air
 - Bioaccumulation : Not applicable
 - Ecotoxicity : Not applicable
- o Ecological limit values : No data

13. DISPOSAL CONSIDERATIONS

- o Waste from residues : Must be scapped material
- o Containmination packaging : May be reused after apptriate cleaning

14. TRANSPORTS INFORMATION

No classification assigned.

15. REGULATORY INFORMATION

No Data

16. OTHER INFORMATION

This information is based on our present state of knowlegde.
But the material may present unknown hazard which not stipulated and should be handled with caution.
final determination of suitability of any material is the solo responsibility of users.