

MATERIAL SAFETY DATA SHEET(MSDS)

Product Name : MICRO-DENIER WIPER FOR CLEANROOMS

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

1) Product Name : MICRO-DENIER WIPER FOR CLEANROOMS

2) Characteristics : Polyester and nylon blended, edged and laundered wiper for Cleanrooms

3) Hazardous Classification

- Hazard : Treat as a solid that can burn such as cotton or straw
- Type : No direct hazard on human health

4) Application : Materials, equipment and floor cleaning in cleanrooms

5) Company Identification

- Name : MEC Industries
- Address : MEC B/D, 30-40 Dongnam-ro 8 gil,
Songpa-gu, Seoul 05803 Korea
- TEL : 82-2-419-5020
- FAX : 82-2-419-2780

6) Establishment & Revision

- Established : Apr. 20th. 1996
- Revised :
- Rev. No : 0

2. INGREDIENT & CONTENT

1) Ingredient & CAS No.

COMPONENTS	CAS NO.
Polyethylene terephthalate (Polyester chip)	N/A
Poly 6hexanediyl (Nylon 6)	2038-54-4

2) Content (%) - Polyester : Nylon = 80 : 20

3. HEALTH HAZARD INFORMATION

- 1) Emergency health hazard Information : N/A
- 2) Exposure of eye contact
 - Short term exposure : Being able to cause stimulation
 - Long term affection : N/A
- 3) Exposure of skin contact
 - Short term exposure : Being able to cause stimulation
 - Long term affection : N/A
- 4) Affection of inhalation
 - Short term exposure : Being able to cause stimulation or a lung disease
 - Long term affection : N/A
- 5) Affection of ingestion : N/A
- 6) Chronic symptoms : N/A

4. EMERGENCY AND FIRST AID PROCEDURE

- 1) In case of eye contact

Cleanse immediately with water or saline for 15–20 minutes.

Care medically, if there are continuance symptoms.
- 2) In case of inhalation

Move to a fresh place.

In necessary, care medically.
- 3) In case of ingestion

Vomit immediately, and posture head lower than hip to avoid dyspnea.

In necessary, care medically.
- 4) Note to physician

Take necessary measures according to symptoms.

5. FIRE AND EXPLOSION FIGHTING PROCEDURE

- 1) Classification and Regulation for the Fire Services Act : N/A
- 2) Extinguishing Media : Use water fog, foam, dry chemical, CO₂
- 3) Fire and explosion fighting procedure :

In air tight fire space, wear helmet with face shield, bunker coats, heat protective gloves and rubber boots and oxygen breathing apparatus

- 4) Hazardous decomposition products : Thermal decomposition products may cause C, CO, CO₂, H₂O and organic vapors
- 5) Prohibited Extinguishing media : N/A

6. SPILL OR LEAK PROCEDURES

- 1) Procedures for health care : N/A
- 2) Procedures for environmental care : Do not waste it into drainage
- 3) Waste disposal method : N/A

7. TREATMENT & SAFEKEEPING

- 1) Method of Safe treatment : N/A
- 2) Safekeeping method : Vacuum package to prevent from particles & contamination

8. SPECIAL PROTECTION INFORMATION

- 1) Technological management : N/A
- 2) Respiratory organs protection : N/A
- 3) Eyes protection : N/A
- 4) Hands protection : N/A
- 5) Skin protection : N/A
- 6) Hygienic note : Avoid excessive rubbing on skin
- 7) Exposure standard : N/A

9. PHYSICAL DATA

- 1) Appearance : Knitted or woven fabric
- 2) Odor : Odorless
- 3) pH : N/A
- 4) Melting Point : 220~250 °C
- 5) Boiling Point . Explosiveness . Oxidization . Vapor Pressure : N/A
- 6) Distribution Coefficient . Vapor Density . Viscosity : N/A

10. SAFETY & REACTIVITY DATA

- 1) Chemical safety : Stable in normal temperature and pressure
- 2) Condition or Materials to avoid : Fire, Condition which damage vacuum package
- 3) Hazardous decomposition products : Thermal decomposition may cause
toxic Cyanide Hydrogen and Aldehyde oxide
- 4) Conditions contributing to hazardous polymerization : N/A

11. TOXIC DATA

Acute Oral Virulence, Acute Inhalation Virulence, Chronic Virulence, Affection for generation, carcinogenic affection
: N/A

12. AFFECTION TO ENVIRONMENT

Virulence for animals and plants : N/A

Migratory, accumulation, and decomposition in soil : N/A

Possibility of accumulation in animals and plants :N/A

13. DISPOSAL

- 1) Regulation by Disposal Control Law : Industrial waste
- 2) Waste disposal method : Incineration or waste by certified company
- 3) Caution for waste : Observe the related law

14. INFORMATION FOR TRANSPORTATION

- 1) The Ships Safety Act . Classification & Regulation for Dangerous Article Transportation or Safekeeping by Vessel : N/A
- 2) Caution for Transportation : Avoid damaging vacuum package
- 3) Classification & Regulation for International Transportation : N/A

15. GOVERNMENT (LEGAL) REGULATIONS

- 1) Regulation by Industrial Safety Health Measure : N/A

2) Regulation by Toxic Chemical Measure and Chemicals Control : N/A

3) Regulation by International Law : N/A

16. REFERENCES

1) Provenance :

Based upon MSDS data from Korea Occupational Safety & Health Agency, which had been translated OHS MSDS of MDL Information System Inc. U.S.A