

Safety Data Sheet

IDENTIFICATION

PRODUCT NAME : MiraROLL®

COMPANY : Foamtec International Co., Ltd.

Branch 3 : 111/1 Moo 2, Phahonyothin RD. KM. 56 Tambol Lamsai
Amphur Wangnoi, Pranakornsriyutthaya 13170
Tel +66 35 740 717 Fax +66 35 740 744

Branch 6 : 259/1 Moo 3 Laem Chabang Industrial Estates
Thungsukhla, Sriracha, Chonburi 20230
Tel.: +66 33 678 877 Fax.: +66 33 678 876

Material : **Polyester**

1. HAZARD IDENTIFICATION

LD50 LC50 MIXTURE : Not provided.

INHALATION : NO.

SKIN : NO.

INGESTION : NO.

OSHA : NO.

HEALTH HAZARDS ACUTE AND CHRONIC : Product is in solid form and will not become airborne except under extreme conditions. Even then it shows no toxic reaction.

EXPLANATION OF CARCINOGENICITY : IARC lists nylon & polyester as "No adequate evidence".

SIGNS AND SYMPTOMS OF OVEREXPOSURE : None.

MEDICAL COND AGGRAVATED BY EXPOSURE : Not provided.

2. COMPOSITION / INFORMATION ON IDENTIFICATION

Polyamides & Polyester Compound (Micro Fiber Multi-Filament Nylon/Polyester Bi-Components)

3. FIRST-AID MEASURES

Use normal first aid procedures.

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4. FIRE-FIGHTING MEASURES

- FLASH POINT (METHOD USED)** : Marked Class1 "Did Not Ignite" by test method ASTM D1230-1994
- FLAMMABLE LIMITS** : Marked Class1 "Did Not Ignite" by test method ASTM D1230-1994
- EXTINGUISHING MEDIA** : Self-extinguishing-water or other class a extinguish agent.
- FIRE FIGHTING PROCEDURES** : Use NIOSH/MSHA approved SCBA in an enclosed area in fires.
- UNUSUAL FIRE / EXPLOSION HAZARD** : None indicated by the MFR.

5. ACCIDENTAL RELEASE MEASURES

- SPILL RELEASE PROCEDURES** : Use proper personal protection; use normal procedures and collect for proper disposal. Nylon fibers and polyester fibers are not toxic.
- NEUTRALIZING AGENT** : Not provided.

6. HANDLING AND STORAGE

- HANDLING AND STORAGE PRECAUTIONS** : Store in a cool, dry, well ventilated area.
- OTHER PRECAUTIONS** : Not provided.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

- RESPIRATORY PROTECTION** : None expected to be necessary.
- VENTILATION** : Normal room ventilation.
- PROTECTIVE GLOVES** : None.
- EYE PROTECTION** : Safety glasses or splash goggles.
- OTHER PROTECTIVE EQUIPMENT** : As required to prevent prolonged contact.
- WORK HYGIENIC PRACTICES** : Use good industrial hygiene practice. Avoid unnecessary contact.
- SUPPLEMENTAL SAFETY AND HEALTH** : Not provided.

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8. PHYSICAL AND CHEMICAL PROPERTIES

BOILING PT	: Not provided.
MELTING PT	: 243 - 252 °C
VAPOR PRESS	: Not provided.
VAPOR DENSITY	: Not provided.
SPEC GRAVITY	: 1.15
pH	: N/A
VISCOSITY	: Not applicable.
EVAPORATION RATE & REFERENCE	: Not applicable.
SOLUBILITY IN WATER	: Insoluble.
APPEARANCE AND ODOR	: White color with a herringbone texture-no odor.
PERCENT VOLATILES BY VOLUME	: < 1.0
CORROSION RATE	: Not applicable.

9. STABILITY AND REACTIVITY

STABILITY INDICATOR / MATERIALS TO AVOID	: Strong acid, formic acid, phenols, cresol.
STABILITY CONDITION TO AVOID	: Melts at 243 °C
HAZARDOUS DECOMPOSITION PRODUCTS	: At temp > 660 °F : CO, CO ₂ , HCN, NO ₂ , FRAGMENTS OF ORIGINAL MONOMER
HAZARDOUS POLYMERIZATION INDICATOR	: NO.
CONDITIONS TO AVOID POLYMERIZATION	: None noted.

10. TOXICOLOGICAL INFORMATION

NOT APPLICABLE

11. ECOLOGICAL INFORMATION

NOT APPLICABLE

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12. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHODS : Dispose I/A/W federal, state, local regulations.

13. TRANSPORT INFORMATION

NOT APPLICABLE

14. REGULATORY INFORMATION

NOT APPLICABLE

15. OTHER INFORMATION

NOT APPLICABLE

UNCONTROLLED

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Issued By : _____ (Engineer)	Checked By : _____ (Engineering Manager)	Apporoved By : _____ (Sr.Mgr /GM.)

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Issued By : <u>Sasinapa R.</u> (Engineer)	Checked By : <u>[Signature]</u> (Engineering Manager)	Apporoved By : <u>[Signature]</u> (Sr.Mgr /GM.)