



MATERIAL SAFETY DATA SHEET (MSDS)

Syringe Filter - Nylon

MSDS NO.: MSDS/QC/1005

Revision Date: 10 Jan 2017

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1. Product & Company Identification

Product Name : Nylon Syringe Filter (Sterile & Non-sterile) (Hydrophilic)
Product Information : Nylon membrane based Syringe Filters
(0.2µm & 0.45µm in 4mm, 13mm, 25mm & 33 mm size)
Product Code : SFNY**X & SFNY**R (** can be = 04,13 ,25 & 33)
SFNY**XB & SFNY**RB (B = Non-sterile) (R= 0.2 µm & X= 0.45µm)
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2. Mode of Composition (MOC)

Housing : Polypropylene Housing
Membrane : Nylon 6,6 hydrophilic

3. Physical Properties

Physical Properties	Nylon Membrane	Polypropylene Housing
Appearance/Form	Solid in Disc form	Solid, Upper & lower circular units with leurs
Colour	White /Off White	Natural Translucent white
Odour	Odourless	Odourless

4. Chemical Properties

Chemical Properties	Nylon Membrane	Polypropylene Housing
Solubility (Water)	Insoluble	Insoluble
pH	Not applicable	Natural Translucent white

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Melting Point	220°C - 250°C	175°C - 190°C
Boiling Point	Not available	Not available
Density (g/cm ³)	1.10 - 1.57 g/cm ³	Not available
Volatility	Non-volatile	Non-Volatile

5. Hazard Identification

Major Health Hazards : No significant target effects reported.

Physical Measures : No significant target effects reported.

Potential Contact Effects

On Inhalation : No Chance of Inhalation due to non-volatile properties

On Ingestion : No Chance of Ingestion

Skin Contact : No allergic reaction exist

Eye Contact : Unlikely to cause any damage

Fire and Explosion Hazard

Fire Hazard : Negligible hazard through fire

Explosion Hazard : Non-explosive but once get ignition plastic material intensify fire. These can be emits toxic gases, fumes and vapours.

Carcinogenicity information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

6. First-Aid Measures

Inhalation : No Inhalation hazard. Still if any irritation arises then move the infected person to the fresh air and seek medical help immediately.

Ingestion : No Ingestion hazard expected to occur because of its appearance.

Eye Contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Skin Contact : No skin problem has been reported. If it occurs, wash skin with soap & copious amounts of water & seek medical help.

7. Fire Fighting Measures

Extinguishing media : Dry sand, water spray, Carbon dioxide, dry chemical powder or regular foam based extinguishers.

Specific Hazards : Avoid inhalation of by-products or materials due to combustion. Try to move materials from fire area if it can be done.

8. Accidental Release Measures

Spills & Leaks : No expectation of any release or leakage from material before use.

Cleaning Methods : After use, product can be collected in a appropriate container for disposal and the filtration liquid being used should be treated with nature of liquid accordingly.

Safety Precautions : Wear chemical safety goggles, rubber boots and heavy rubber gloves.

Environmental Precautions : Due to its consolidated nature of the product, there is no expectation of any release of the materials to the environment when it is used in instructed operating conditions.

9. Handling and Storage

Handling : Keep the product away from direct sunlight. Avoid overheating, strong acids and aggressive chemicals. Product always being handled in neat and clean environment.

Storage : Store the product with in all current standards accordingly. Avoid the excessive humidity and moisture. Store below 50 °C.

10. Exposure Control/Personal Protection

Respirators : No respirator is required under normal operating conditions.

Eye Protection : No protection is required under normal operating conditions.

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- Protective Equipment :** No personal protective equipment is required under normal conditions.
- Gloves & Safety glasses:** No requirement of gloves and safety glasses during use under normal conditions.
- Ventilation :** No additional ventilation is required. General ventilation is adequate in drastic conditions where heat evolved, additional ventilation is required.
- Occupational Exposure:** No occupational exposure limits established for Nylon membrane Limits and for PP housing parts.

11.Stability & Reactivity

- Reactivity :** Stable at normal temperatures and pressure.
- Chemical Stability :** Stable at normal temperatures and pressure.
- Condition to avoid :** Avoid heat contents, temp. higher than recommended (above 50 °C), moisture and humidity. To avoid incompatible compounds.
- Materials to avoid :** Strong acids, highly aggressive organic solvents and strong oxidizing salts/agents.
- Hazardous Polymerization:** Polymerization will not occur.
- Hazardous decomposition:** Carbon particulates, carbon dioxide, carbon monoxide, Hydrofluoric acid, tetrafluoroethylene, hexafluoropropylene, per-fluorisobutylene, carbonyl fluoride and other low molecular fluorohydrocarbons.

12.Toxicological Information

- Carcinogenicity :** Non-carcinogenic by NTP listed
- Possibly carcinogenic to humans listed by IARC Gp-2(b) – due to hydrocarbon contents on account of hazardous decomposition.
- Chronic Effect :** Presently, No chronic effect is established

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Toxicity Data : Not available
Sensitization : No sensitizing effects known.

13. Ecological Information

Environmental Hazards: Not expected to any environmental hazard.
Degradation : Not expected to degradation in contact with water & soil.
Ecotoxicity : This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Based on similar substances, this material is expected to be essentially non-biodegradable.
Environmental effects : Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
Aquatic Toxicity : No toxicity is expected as it is insolubility in water.

14. Disposal Considerations

Packaging Disposal : The components of packing material are not hazardous.
Product Disposal : Composition of these products is non-hazardous. When the product is used for filtration of potentially hazardous chemical or biological fluids, then for its disposal concern with the regularity authority.
Waste Disposal : Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled but incinerator must be capable of scrubbing out acidic combustion products. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/ provincial, and local regulations.

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15. Transport Information

Transport Information : These products are not classified as 'HAZARDOUS' or 'DANGEROUS' in the meaning of transport regulations.

16. Regulatory Information

Danger Symbol : Not Applicable

Safety phrases : Not Applicable

17. Other Information

This Material Safety Data Sheet serves to complete but not to replace the technical product data sheets. The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof; however, Axiva Sichem Pvt. Ltd. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned. The above information is believed to be correct, but does not purport to be all-inclusive and shall be used only as a guide. Axiva Sichem Pvt. Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

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