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SAFETY DATA SHEETS

RESPILON® AC Filter

SECTION 1. IDENTIFICATION

Product name : RESPILON® Nanofiber AC Filter

Product uses : Pre-filter for air conditioner and purifier with antibacterial and deodorization performance

Appearance : White, non-woven textile

MANUFACTURER OR SUPPLIER'S DETAILS

Company name of supplier: RESPILON Production s. r. o.

Address: Příkop 843/4, 602 00 Brno, Czech Republic

Emergency telephone number: Phone No: +420 530 332 163 - Email: info@respilon.com

SECTION 2. HAZARDS IDENTIFICATION

2.1 EMERGENCY OVERVIEW

Specific Physical Form : Air Filter.

Odor, Color, Grade : Filter material, no odor.

General Physical Form : Solid.

Immediate health, physical and environment hazards:

This product, when used under reasonable conditions and in accordance with the Respilon directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

At elevated temperature, thermal degradation/decomposition and possible product degradation are predicted as follows:

Possible Entry : Inhalation, Skin, Eyes, Ingestion



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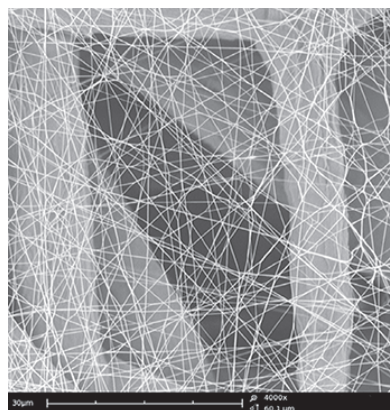
COMPONENT	DECOMPOSITION TEMPERATURE	POSSIBLE PRODUCT OF THERMAL DECOMPOSITION
PE (Polyethylene)	>300°C	COx
PP (Polypropylene)	>300°C	COx
PVDF (Polyvinylidene Fluoride)	>350°C	COx HF
Zeolite	>1000°C	none

2.2 POTENTIAL HEALTH EFFECTS

Eye Contact	:	No health effects are expected.
Skin Contact	:	No health effects are expected.
Inhalation	:	Harmful health effects are not expected during normal use at ambient temperature.
Ingestion	:	No health effects are expected.

SECTION 3. COMPOSITION

Composition: **the fabric RESPILON®**:
2-layered textile sandwich; PET, PP, PVDF



INGREDIENTS	CAS NO.	EINECS NO.	CONC
PE (Polyethylene)	25087-34-7	607-541-7	49,3%
PP (Polypropylene)	9003-07-0	607-541-7	48,2%
PVDF (Polyvinylidene Fluoride)	23937-79-9	607-541-7	1,5%
Zeolite	1318-02-1	607-541-7	1,0%

Hazardous Ingredients: This material has no known hazards under applicable laws. Hazardous materials information not provided is considered a trade secret.



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SECTION 4. FIRST AID MEASURES

The following first aid recommendation are based on an assumption that appropriate personal and industrial hygiene practises are followed.

Inhalation :

If symptoms appear, move the victim outside. If symptoms persist, obtain medical attention.

Skin contact :

If molten material contacts the skin, immediately flush skin with water until all substance is removed.

Eye contact :

If molten material contacts eyes, flush them thoroughly with water for several minutes and seek medical attention if discomfort persists.

Ingestion :

In case of accidental swallowing, induce vomiting and seek immediate medical attention.

SECTION 5. FIREFIGHTING MEASURES

5.1 FLAMABLE PROPERTIES

In a fire, the minor component of this material is considered auto-extinguishing and so is unable to propagate fire. The majority component however is combustible at extremely high temperature (see below) with the subsequent evolution of dangerous CO_x fumes and other combustion gases/vapors.

- Flash Point : 260 °C
- Ignition Temperature : 388 °C
- Flammable Limits: N/A
- Recommended Method of Firefighting: Dry chemical, foam, water fog, carbon dioxide
- As in any fire, fire fighters should wear appropriate protective clothing and approved self-contained breathing apparatus to prevent exposure to fumes.



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Evacuate all non-essential personnel.

Intervention can only be done by capable personnel who are trained and aware of the hazards of the product. In all cases wear self-contained breathing apparatus. Wear chemically resistant over suits. After intervention, proceed to clean the equipment (take a shower, remove clothing carefully, clean and check).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling : This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. Keep away from sources of ignition. Do not smoke during manipulation with the product. To maintain the quality of material, do not use processing temperature above 110 °C.

Conditions for safe storage

including any incompatibilities : Store under normal warehouse conditions.

: Keep away from heat sources and combustible substances.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Not applicable

PPE/Eye/face protection : Not applicable

PPE/Skin protection : Not applicable

Respiratory protection : Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection

Prevention of swallowing : Not applicable



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form	:	Air Filter
Odor	:	Odorless
Color, Grade	:	Filter material
General Physical Form	:	Solid
Autoignition temperature	:	Not Applicable
Flash Point	:	Not Applicable
Vapor Density	:	Not Applicable
Specific Gravity	:	No Data Available
Flammable Limits(LEL)	:	Not Applicable
Flammable Limits(UEL)	:	Not Applicable
pH	:	Not Applicable
Melting Point	:	No Data Available
Solubility In Water	:	Not Applicable

The above data are typical values and do not constitute a specification.
Vapor pressure data are calculated unless otherwise noted.



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SECTION 10. STABILITY AND REACTIVITY

Stability : Stable
Materials and Conditions to avoid : None known.
Hazardous Polymerization : Hazardous polymerization will not occur.

Hazardous decomposition products : Hydrogen fluoride, particulates of carbon, carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation : No health effects are expected.
Skin Contact : No health effects are expected.
Eye Contact : No health effects are expected.
Ingestion : No health effects are expected.
Additional Information : This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.



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SECTION 12. ECOLOGICAL INFORMATION / ECOTOXICITY

ECOTOXICOLOGICAL INFORMATION: Not applicable

CHEMICAL FATE INFORMATION: Not applicable

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with the local/regional/national/international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated as a hazardous goods for transportation.

Keep dry. Place away from foodstuffs.

SECTION 15. REGULATORY INFORMATION

N/A



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User is responsible for determining whether the RESPILON® AC Filter product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a RESPILON® AC Filter product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the RESPILON® AC Filter product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

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