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SAFETY DATA SHEET

RESPILON Window Membrane 6.0

1 IDENTIFICATION

Product name: RWM 6.0

Product usage: Window screen protecting from air pollution, allergens and microorganisms and deodorization performance

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2 HAZARDS IDENTIFICATION

Hazard label: Not required

Material components are not hazardous under ambient conditions. However, at elevated temperatures, thermal degradation/decomposition and possible product degradation are predicted as follows:

COMPONENT	DECOMPOSITION TEMPERATURE	POSSIBLE PRODUCT OF THERMAL DECOMPOSITION
PET (Polyethylene terephthalate)	> 300 °C	CO _x
PVDF (Polyvinylidene fluoride)	> 350 °C	CO _x , HF

Possible Entry: Inhalation, Skin, Eyes, Ingestion.

Inhalation: Harmful health effects are not expected during everyday use at ambient temperature.

Skin contact: Polyester mesh fibers may irritate skin.

Eye contact: Fibers may cause irritation.

Ingestion: Consult a physician.

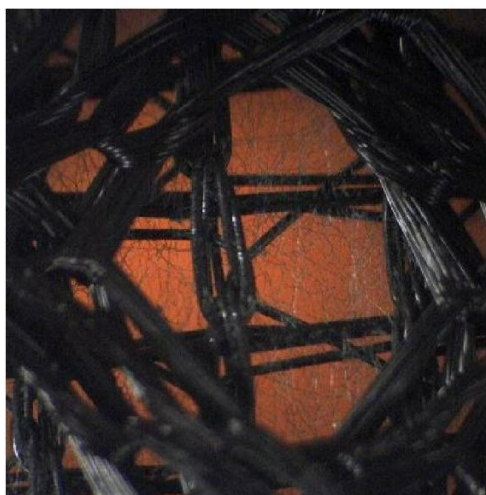


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3 COMPOSITION AND MATERIAL STRUCTURE

INGREDIENTS	CAS NO.	EINECS NO.	CONC.
PET (Polyethylene terephthalate)	25038-59-9	607-507-1	98.5 – 99.5 %
PVDF (Polyvinylidene fluoride)	24937-79-9	607-458-6	0.5 - 1.0 %



4 FIRST AID MEASURES

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.



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5 FIRE FIGHTING MEASURES

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

Flash Point: 300 °C

Ignition Temperature: 390 °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.

6 PROTECTIVE MEASURES IN CASE OF INTERVENTION

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

7 HANDLING AND STORAGE

- 1) Handling Precautions: Keep away from sources of ignition. Do not smoke during manipulation with the product. No special requirements necessary, if handled at room temperature.
To maintain the quality of material, do not use processing temperature above 180 °C.
- 2) Storage Requirements: Store at ambient temperature at atmospheric pressure.
Keep in a dry place. Keep away from heat sources and combustible substances.



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8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection: Not required for described use.

Controls of Environment: General (mechanical) room ventilation is expected to be satisfactory.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Screen with regular geometric structure, black color

Physical State: Solid

Solubility: Insoluble in water

Odor: N/A

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal use conditions for shock, vibration, pressure or temperature.

Corrosivity: Product is not corrosive.

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

Hazardous polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

The product is biologically inert. No toxic reaction known under normal conditions.
However, under decomposition conditions, decomposition products are produced (see section 2).

12 ECOLOGICAL INFORMATION





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13 DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company.

14 TRANSPORT INFORMATION

Not regulated as a hazardous goods for transportation.

Keep dry. Place away from foodstuffs.

15 REGULATORY INFORMATION

Hazard categories for the Superfund Amendments and Reauthorization Act (SARA), Sections 311/312/313 – No chemicals in this material are subject to the reporting requirements.

16 OTHER INFORMATION

Date of last revision by RESPILON Trade s.r.o.: 17/Feb/2023

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