

# MATERIAL SAFETY DATA SHEET

VACtiteO

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## 1. Chemical Product and Company Identification

**Product Code:** VACtiteO(75)VS  
**Product Description:** Nylon (Polyamide) / polyolefin coextruded film for use as a vacuum membrane for glass laminating applications.  
**Supplier:** VAC Innovation Ltd  
Kilworth Lakes  
Kilworth Road  
North Kilworth  
Leicestershire  
LE17 6JG  
**Emergency Phone Numbers:** 01858 882000 07971 000458/9

## 2. Composition / Information on Ingredients

**Classification of the substance:** This product is an orange tinted plastic film. It is not hazardous according to article 31 and annex II of the REACH regulation. There is no labelling obligation for this product.  
**Information pertaining to particular dangers for man and environment:** The molten product may cause severe skin burns.  
Spilled material may present a slipping hazard.  
Possible production of electrostatic charges when used.  
Irritating and or toxic vapours may be released in the event of thermal decomposition.  
**Classification system:** This product is, according to EEC directives 1999/45, 67/548,76/769 and following amendments, not classified as hazardous.

## 3. Hazards identification

**EMERGENCY OVERVIEW:** A coloured plastic film. Not considered hazardous under normal usage. Can release irritating and/or toxic vapours if involved in a fire.  
**POTENTIAL HEALTH HAZARDS:**  
**Skin:** Not considered hazardous.  
**Eyes:** Not considered hazardous. May cause mechanical irritation if film comes into contact with the eye.  
**Inhalation:** Not a route of exposure under normal usage. Elevated temperatures may release irritating vapours.  
**Ingestion:** Not a route of exposure. Not considered hazardous.  
**Delayed effects:** None known.

### Substances:

CAS No.	EC No.	Chemical name	Content	Symbol	R-phrases
105-60-2	203-312-3	$\epsilon$ -caprolactum	< 1.0%	Xn	20/22-36/37/38

## 4. First Aid Measures

The product is a solid film. No hazards are expected in normal use.

**Skin contact:** Not applicable.  
**Eye contact:** Not applicable under normal usage. If material comes into contact with the eye, flush eye with water while holding eyelids apart to ensure complete irrigation.  
**Inhalation:** Not applicable under normal usage. If exposed to vapours at elevated processing temperatures, remove person to fresh air. If signs/symptoms develop, get medical attention.  
**Ingestion:** Not applicable. Not considered hazardous.

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### 5. Fire Fighting Measures

<b>Flash point:</b>	Not applicable.
<b>Flash point method:</b>	None applicable
<b>Autoignition temperature:</b>	> 400°C
<b>Upper flame limit (Volume % in air):</b>	Not applicable. Non-volatile solid.
<b>Lower flame limit (Volume % in air):</b>	Not applicable. Non-volatile solid.
<b>Flame propagation rate (Solids):</b>	Not determined.
<b>Recommended extinguishing media:</b>	Carbon dioxide, dry chemical foam, water or other agents as appropriate for materials in surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None Known.
<b>Risks from combustion:</b>	Molten film at higher temperatures can ignite and will burn.

### 6. Accidental Release Measures

<b>Personal Precautions:</b>	Remove any source of ignition until all the material has been cleared.
<b>Clean-up Procedures:</b>	Spilled material should be collected up and place in a solid waste container.

### 7. Handling and Storage

Handling of the product does not involve risks under normal conditions of use.

<b>Handling Precautions:</b>	This product should be handled according to applicable Good Manufacturing Practices.
<b>Storage conditions:</b>	Store at room temperature (20-25°C), 50-55% relative humidity and protected from direct sunlight. Keep away from heat, sparks and flame.

### 8. Exposure Controls / Personal Protection

#### Control Parameters:

CAS No.	EC No.	Chemical name	Type	Value
105-60-2	203-312-3	ε-caprolactum	WEL-TWA	1 mg/m <sup>3</sup> (dust only)
			WEL-STEL	3 mg/m <sup>3</sup> (dust only)
			WEL-TWA	10 mg/m <sup>3</sup> (dust and vapour)
			WEL-STEL	20 mg/m <sup>3</sup> (dust and vapour)
			WEL (Europe) 8-hour TWA	10 mg/m <sup>3</sup>
			WEL (Europe) STEL	10 mg/m <sup>3</sup>

<b>Precautionary measures:</b>	Keep away from heat, sparks and flame.
<b>Hand protection:</b>	Not necessary for normal use.
<b>Eye protection:</b>	Not necessary for normal use.
<b>Respiratory protection:</b>	Not necessary for normal use.
<b>Skin protection:</b>	No special precaution must be adopted for normal use.

### 9. Physical and Chemical Properties

<b>Appearance:</b>	Solid plastic film
<b>Colour:</b>	Translucent orange
<b>Odour:</b>	No odour
<b>Specific Gravity:</b>	0.97-1.1 g/cm <sup>3</sup> (20°C)
<b>Solubility in water:</b>	Not soluble in water
<b>Melting temperature:</b>	> 160°C
<b>Auto-ignition temperature:</b>	> 400°C
<b>Decomposition temperature:</b>	> 290°C

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### 10. Stability and Reactivity

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<b>Reactivity:</b>	No known hazardous reactions.
<b>Chemical stability:</b>	No known hazardous reactions.
<b>Possibility of hazardous reactions:</b>	No known hazardous reactions.
<b>Conditions to avoid:</b>	Stable under normal conditions. Avoid exposure to open flame or temperatures exceeding 290°C.
<b>Substances to avoid:</b>	Strong oxidizing agents, acids or bases.
<b>Hazardous decomposition:</b>	Thermal decomposition products may include: caprolactam, carbon monoxide, carbon dioxide, and small amounts of hydrogen cyanide.
<b>Hazardous polymerization:</b>	Will not occur.

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### 11. Toxicological Information

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No risks under normal handling.

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### 12. Ecological Information

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**Ecotoxicity effects:** Water hazard class:1 = mild water pollutant

The product is not biodegradable. The insoluble part can be disposed of mechanically in suitable waste water cleaning facilities. Does not contain additives based on lead, mercury, cadmium and hexavalent chromium. The product is not toxic.

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### 13. Disposal Considerations

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Recover if possible. Operate according to existing local and national laws.

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### 14. Transport Information

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**UNNO:** Not applicable.  
**Symbols:** Not applicable.  
No special packaging or labelling requirements for road, rail, sea or air transport.

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### 15. Regulatory Information

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This product was classified in compliance with the EC directive 1999/45/CE and its adaptations. The product as shipped is not subject to labelling according to EC directives.  
Observe the normal safety regulations when handling chemicals