

Material Safety Data Sheet

evguard[®] EVA Films

1. PRODUCT AND COMPANY IDENTIFICATION

Identification of the substance or preparation

Product name:	EVA films
Grade:	Evguard N, Evguard Secure, Evguard Crystal
Chemical name:	Poly-(ethylene vinylacetate) copolymer (EVA)
Product use:	plastic film
Product type:	solid

Company identification

Supplier:	Folienwerk Wolfen GmbH, Guardianstr. 4, D-06766 Bitterfeld-Wolfen Germany
E-Mail:	info@folienwerk-wolfen.de
Emergency telephone:	+ 49 (0) 3494-6979-0 (between 8 h and 16 h)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization

Substance identification:	Poly-(ethylene vinylacetate) copolymer (EVA) Weight percent vinyl acetate varies from 10 to 40 % Contains additives (trade secret)
CAS-No.:	24937-78-8
Danger symbol:	none
Risk phrases:	none

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

3. HAZARDS IDENTIFICATION

No hazards for usual industrial or commercial handling by trained personnel. Not a hazardous substance or preparation according to EC-directives 67/548/EEC, 1272/2008/EG or 1999/45/EC.

Other hazards:	No data available.
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4. FIRST AID MEASURES

Inhalation:	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.
Ingestion:	No special measures required.
Skin contact:	Heated material will adhere to the skin and can cause severe burns. Cool skin rapidly with cold water after contact with molten polymer. Do not pull solidified product from skin. Obtain medical attention.
Eyes:	Heated material can cause severe burns. Immediately flush eyes with plenty of water. Obtain medical attention.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training.

5. FIRE-FIGHTING MEASURES

Extinguishing media Suitable:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Special exposure hazards:	Large amount of molten product may ignite spontaneously on air. Rinse with large amount of water.
Hazardous thermal decomposition products:	Emits organic decomposition products and irritating fumes when heated to decomposition. Decomposition products may include the following materials: alcohols, aldehydes, organic acids, vinyl acetate
Special protective equipment for fire-fighters:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	none
Environmental precautions:	No special precautions required.
Methods for cleaning up:	Sweep-up to or collect by hand. Note: see section 13 for waste disposal.

7. HANDLING AND STORAGE

Advice on safe handling:	None under normal processing. Prevent contamination.
Storage:	The film should be stored at a temperature of max. 25°C. Store in original packaging protected from heat, direct sunlight, dust and incompatible materials (see section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values:	none known
Engineering measures:	none required
Personal protection equipment	
Respiratory protection:	none
Hand and skin protection:	Avoid contact with molten or heated product. Wear heat-resistant protective.
Eye protection:	Avoid contact with molten or heated product. Wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	solid (film)
Colour:	dependent on type
Odour:	slightly ester-like

Critical data

Melting range:	> 50 °C
Ignition temperature:	not applicable
Explosive properties:	none
Vapour pressure:	not applicable
Density:	0.9 to 1.1 g/cm ³ (ISO 1183)
Solubility:	insoluble in water
pH value:	not applicable

10. STABILITY AND REACTIVITY

Hazardous reactions:	none
Thermal decomposition:	> 200 °C
Dangerous decomposition products:	alcohols, aldehydes, organic acids, vinyl acetate
Incompatibility:	strong acids or oxidizing agents

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Acute oral toxicity:	Vinyl acetate: LD50 / Ratte : 3 500 mg/kg
Acute inhalative toxicity:	Vinyl acetate: LC50 / Ratte : 15,8 mg/l
Skin irritation:	Film may cause skin irritation.
Potential chronic health effects:	no known significant effects or critical hazards

12. ECOLOGICAL INFORMATION

Persistence / Degradability

Biodegradability:	Non-biodegradable
Environmental impact / ecotoxicity:	Insoluble – not harmful to fish and bacteria.
Further ecological information:	The EVA film is insoluble in aquatic systems and without any environmental hazard.

13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Like most thermoplastic films the waste can be recycled. For recycling contact manufacturer or a licensed waste recycling/disposal contractor. Disposal at incineration plants or waste disposal sites in accordance with current local regulations.
Hazardous waste:	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. TRANSPORT INFORMATION

All modes of transport:	Not classified as dangerous material.
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15. REGULATORY INFORMATION

No hazard warning label required.

16. OTHER INFORMATION

Uses:	None identified.
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