



▶ SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Name of product: SK2RF400-1
Article: Release Film
Company name: VIK-Composite GmbH
Street/POB No.: Carl-Zeiss-Str. 11
State/city/postal code: Germany, Waldstetten 73550
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E-mail: sales@vik-composite.com
Description: Polyimide release film

▶ SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Not considered hazardous under recommended usage conditions.

2.2 Label elements

No label required

2.3 Other hazards

Not considered hazardous

Potential Health Effects: None under recommended usage conditions

Ingestion: N / A under recommended usage conditions

Skin Contact: N / A under recommended usage conditions

Inhalation: N / A under recommended usage conditions

Eye Contact: N / A under recommended usage conditions

2.4

This version of the product safety data sheet was prepared in compliance with Regulation (EC) No. 1272/2008 as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

▶ SECTION 3: INGREDIENTS

3.1 Substances

Product description: Polyimide film



Hazardous Ingredients: None

Name	CAS No.	%	Symbols & Health Risk Phrases
Inert Polyimide film	25038-81-7	99-100	-

3.2 Mixtures

no mixtures

▶ SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin: Wash with soap and water after handling. If skin irritation develops, consult a physician.

Eyes: Wash eyes with water. Consult a physician if irritation persists.

Inhalation: Not a probable route of exposure for films

Ingestion: Not a probable route of exposure for films

Other first aid information: N / A

4.2 Most important symptoms and effects, both acute and delayed

We have no description of any toxic symptoms

4.3 Indication of any immediate medical attention and special treatments needed

No information available

▶ SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water, Carbon Dioxide, Foam, Dry Powder.

5.2 Special hazards arising from the substance or mixture:

Product is physiologically inert and non-toxic at normal temperatures.

Specific hazards during firefighting

Polyimide film (PI) chars but does not burn in air. PI will burn in an atmosphere of 100% oxygen. The major off-gases are carbon dioxide and carbon monoxide. Processing of PI can cause the generation of static charge. Precautions for static charges should be taken when removing plastic films used as protective packaging for PI.

5.3 Advice for fire-fighters:



Special protective equipment for firefighting:

Use self-contained breathing apparatus, gloves and protective suit.

▶ **SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures:

Review Fire Fighting Measures sections before proceeding with clean-up. Use appropriate personal protective equipment. The film is slippery. Avoid slip hazard conditions, especially when wet. Pick up to prevent slipping hazard.

6.2 Environmental precautions:

Stable, inert material. No special precautions required.

6.3 Methods and material for containment and cleaning up

No special procedure or materials required.

6.4 Reference to other sections

▶ **SECTION 7: HANDLING AND STORAGE**

7.1. Precautions for safe handling

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours) when rolling or winding the fabric. Wash thoroughly after handling. Use handling equipment for heavy rolls/ boxes. Keep dry, handle carefully, this material is slippery.

7.2 Conditions for safe storage, including any incompatibilities

Store away from flammable materials.

7.3 Specific end use(s)

Handling precautions:

When processing e.g. machining, cutting or rupture testing wear safety glasses or appropriate face shield and a P1 dust mask. Local Exhaust Ventilation must be used to keep dust levels below acceptable limit. Machining or cutting or tensile testing may produce small amounts of dust. Extract and clean any such dust or fumes away from the workspace. Avoid direct skin contact with polyimide film if possible. Wear a P1 dust mask if there is risk of generating & inhaling such fibers.

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours) when rolling or winding the fabric.

Thicker films have sharp edges which can cause cuts.

Storage: No special requirements. Store in a dry place, preferably 20°C to 30°C.



► SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

No special controls required

8.2 Exposure controls

Engineering controls

Safe handling of PI at high temperatures (above 200°C) requires adequate ventilation. If small quantities of PI are involved, normal air circulation may be all that is needed in case of overheating. Whether existing ventilation is adequate or not at higher temperatures will depend on the combined factors of film quantity, temperature and exposure time. Use static dissipation equipment in situation where static electricity is likely to be generated. Extraction & ventilation recommended if machining, slitting or cutting this material.

Eye protection

Safety glasses are recommended as good industrial practice.

Hand protection

Gloves are recommended as good industrial practice. Wear heat resistant gloves in high temperature use of this product

Skin and body protection

Not normally required. Avoid contact.

Hygiene measures

Not normally required

Respiratory protection

Not normally required, provided there is no dust. Use extraction and wear a P1 dust filter mask if continuously machining or cutting large volumes of the fabric.

Individual protection measures

Not normally required

Exposure controls for hazardous components:

N / A under recommended usage conditions.

Personal protective equipment:

None required under normal processing conditions.

► SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	Solid, plastic film
Colour	Various, normally dark amber / orange tint
Odour	None
Odour threshold	None
Ph	Neutral
Melting point	No melting point, chars
Boiling point	Chars
Flash point	Does not flash
Evaporation rate:	No evaporation loss under 275°C



Flamability (solid, gas)	Not flammable at recommended temperatures, UL 94 V-0 rated.
Lower explosion limits	No information available
Upper explosion limits	No information available
Vapour pressure	No information available
Relative vapour pressure	No information available
Relative density	1.425 g/cm ³
Water solubility	Not soluble in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	Kevlar fiber decomposition at >400°C
Viscosity dynamic	No information available
Explosive properties	Not considered explosive
Oxidizing properties	Not an oxidizer

9.2 Other data

None

▶ SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable at normal temperatures up to 400°C

10.2 Chemical stability

Very stable chemically at recommended temperatures.

10.3 Possibility of hazardous reactions

Stable under recommended storage and use.

10.4 Conditions to avoid

Use Local Exhaust Ventilation to avoid breathing any fumes evolved if processing above 400°C.

10.5 Incompatible materials

Strong acids and strong oxidizers

10.6 Hazardous decomposition products

Carbon oxides, Nitrogen oxides (NO_x)

▶ SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute dermal toxicity	This information is not available
Skin irritation	Not considered as an irritant



Eye irritation	This information is not available
Sensitization	This information is not available
Germ cell mutagenicity	This information is not available
Carcinogenicity	This information is not available
Reproductive toxicity	This information is not available
Teratogenicity	This information is not available
STOT-single exposure	This information is not available
STOT-repeated exposure	This information is not available
Aspiration hazard	This information is not available

▶ SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

This information is not available

12.2 Persistence and degradability

This information is not available

12.3 Bio accumulative potential

This information is not available

12.4 Mobility in soil

This information is not available

12.5 Results of PBT and vPvB assessment

This information is not available

12.6 Other adverse effects

This information is not available

No known harmful effects on the environment.

▶ SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Landfill or incinerate in compliance with local regulations.

Contaminated packaging

Dispose as solid waste according to local regulations.

▶ SECTION 14: TRANSPORT INFORMATION

This material is not regulated for transport.



Land Transport (ADR/RID)

14.1 UN Number

Not applicable

14.2 UN Proper Shipping name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

None

14.6 Special precautions for user

Not classified as dangerous for transport

Inland waterway transport (ADN)

Not relevant

Air Transport (IATA)

14.1 UN Number

Not applicable

14.2 UN Proper Shipping name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

None

14.6 Special precautions for user

Not classified as dangerous for transport



Sea transport (IMDG)

14.1 UN Number

Not applicable

14.2 UN Proper Shipping name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

None

14.6 Special precautions for user

Not classified as dangerous for transport

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

▶ SECTION 15: REGULATORY INFORMATION

This version of the product safety data sheet was prepared in compliance with Regulation (EC) No. 1907/2006 (in particular as amended by Regulation (EU) No. 453/2010 with respect to SDSs) and Regulation (EC) No. 1272/2008 as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

▶ SECTION 16: OTHER INFORMATION

The information contained herein is based on our knowledge at the date above and refer only to product indicated and constitutes no guarantee of particular quality.

User is responsible for determining whether the VIK-Composite GmbH 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 VIK-Composite GmbH product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the VIK-Composite GmbH product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.