

**KERAFOL Keramische Folien GmbH**

Date printed: 25.05.2007, Revision: 13.03.2007

**01 Identification of the substance / preparation and of the company**

**Product:** KERATHERM® TYP 86/xx (Keratherm® grün, weiß, rose, rot 86/81, rot 86/82, Ferrit )

**Use:** Heat leading silicone foil

**Company:** KERAFOL Keramische Folien GmbH

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**02 Composition / Information on ingredients**

Substance	EINECS/ ELINCS	CAS	INDEX	Range [%]	Symbol / R-phr.
Silver	231-131-3	7440-22-4		0 - < 15	

**03 Hazards identification**

No special hazards have to be mentioned.

**04 First aid measures**

General information: not applicable  
Inhalation: not applicable  
Skin contact: Consult a doctor if skin irritation persists.  
Eye contact: In case of contact with eyes rinse thoroughly with water. In the event of symptoms seek for medical treatment.  
Ingestion: not applicable  
Advice to doctor: Treat symptomatically.

**05 Fire-fighting measures**

Suitable extinguishing media: Foam. Dry powder. Water spray jet. Carbon dioxide.  
Extinguishing media that must not be used: Full water jet.  
Special exposure hazards arising from the substance or preparation itself or combustion products: Risk of formation of toxic pyrolysis products.  
Special protective equipment for firefighters: Use self-contained breathing apparatus.  
Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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**06 Accidental release measures**

Personal precautions: none  
Environmental precautions: not applicable  
Methods for cleaning up: Dispose of absorbed material in accordance within the regulations. Take up mechanically.

**07 Handling and storage**

Advice on safe handling: No special measures necessary.  
Advice on protection against fire and explosion: No special measures necessary.  
Requirements for storage rooms and vessels: Keep only in original container.  
Advice on storage compatibility: none  
Further information on storage conditions: Store in a dry place. Protect from sun.

**08 Exposure controls / personal protection**

**Additional advice on system design:** Ensure adequate ventilation on workstation.

**Ingredients with occupational exposure limits to be monitored: (GB)**

Substance	[ppm]*	[mg/m <sup>3</sup> ]*	General remarks:
Silver		0,1	EU

\* LTEL: Long-term exposure limit

Respiratory protection: not applicable  
Hand protection: Butyl rubber, >120 min (EN 374).  
Eye protection: Safety glasses.  
Skin protection: not applicable  
General protective measures: none  
Hygiene measures: Wash hands before breaks and after work. Use barrier skin cream.  
Delimitation and monitoring of the environmental exposition: not determined

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**09 Physical and chemical properties**

Form:	solid
Color:	various
Odor:	characteristic
pH-value:	not applicable
pH-value (1 %):	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	> 300
Flammability [°C]:	not applicable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Combustible properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	1,4 - 2,9
Bulk density [kg/m³]:	not applicable
Solubility in water:	insoluble
Partition coefficient: n-octanol/water:	not applicable
Viscosity:	not applicable
Relative vapour density determined in air:	not applicable
Evaporation speed:	not applicable
Melting point [°C]:	> 300
Autoignition temperature [°C]:	not determined
Decomposition temperature [°C]:	not determined

**10 Stability and reactivity**

Hazardous reactions:	If product is heated above decomposition temperature toxic vapours may be released.
Hazardous decomposition products:	Possible in traces: Formaldehyde.

**11 Toxicological information**

Acute oral toxicity OECD 401:	not determined
Acute dermal toxicity OECD 402:	not determined
Irritant effect on skin OECD 404:	not determined
Irritant effect on eye OECD 405:	not determined
Acute inhalational toxicity OECD 403:	not determined
Sensitization OECD 406:	not determined
Mutagenicity:	not determined
Reproduction Toxicity:	not determined
Carcinogenicity:	not determined

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Experiences made in practice: none  
General remarks: not applicable

**12 Ecological information**

Fish toxicity: not determined  
Daphnia toxicity: not determined  
Behaviour in environment compartments: not determined  
Behaviour in sewage plant: not determined  
Bacteria toxicity: not determined  
Biological degradability: not determined  
COD: not determined  
BOD 5: not determined  
AOX-advice: No dangerous components.  
2006/11/EC: not applicable  
General information: The product is insoluble in water.

**13 Disposal considerations**

Disposal / Product: In according to RoHS Disposal in an incineration plant in accordance with the regulations of the local authorities.  
Waste no. (recommended): 070217  
Disposal / Contaminated packaging: Uncontaminated packaging may be taken for recycling.

**14 Transport information**

**Classification according to ADR:** no dangerous goods  
Declaration:  
Labelling:  
Factor (ADR 1.1.3.6):  
LQ (ADR 3.4.6):  
Hazard-no.:  
Label:  
**Classification according to IMDG:** not classified as "Dangerous Goods"  
Declaration:  
Labelling:  
Label:  
LQ [l, kg]:  
EmS:  
**Classification according to IATA:** not classified as "Dangerous Goods"  
Declaration:  
Labelling:  
Label:

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**15 Regulatory information**

**Labelling:** The product does not require a hazard warning label in accordance with EC-directives.

**Hazard symbols:**

**15.1 Special labelling for certain preparations**

Safety data sheet available for professional user on request.

**15.2 Sources of documentation**

EEC: 91/155 (2001/58); 67/548 (2004/73, 29. ATP); 1999/45 (2006/8); 91/689 (2001/118); 89/542; 1999/13; 2004/42

Transport information: ADR (2007); IMDG-Code (33. Amdt.); IATA-DGR (2007)

**15.3 National regulations (GB)**

EH40/2002 Occupational Exposure Limits Supplement 2003

**16 Other informations**

(Information on ingredients - position 02)

**16.1 Additional information**

Observe employment restrictions for people: no  
VOC (1999/13/EG): not applicable  
Customs Tariff: not determinated

**16.2 Information on ingredients**

2004/42/EG: not applicable  
UBA-Registration: not applicable  
648/2004/EG, Contains: not applicable

**16.3 Modified position**

none