

**KERAFOL Keramische Folien GmbH**

Date printed: 13.03.2007, Revised: 13.03.2007

**01 Identification of the substance / preparation and of the company****Product:** KERATHERM® TYP U XX - Silikonfrei (KERATHERM® U23; U80; U90 und U100)**Use:** heat leading foil**Company:** KERAFOL Keramische Folien GmbH

Stegenthumbach 4-6

92676 Eschenbach

**Phone:** +49 (0) 9645 88-300**Fax:** +49 (0) 9645 88-390**E-mail:** info@kerafol.com**Homepage:** www.kerafol.com**Emergency phone:** +49 (0) 9645 88-300**02 Composition / Information on ingredients**

No dangerous components.

**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.

**KERAFOL Keramische Folien GmbH**

Date printed: 13.03.2007, Revised: 13.03.2007

**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: not applicable

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

**KERAFOL Keramische Folien GmbH**

Date printed: 13.03.2007, Revised: 13.03.2007

**09 Physical and chemical properties**

Form:	solid
Color:	white / blue
Odor:	characteristic
pH-value:	not applicable
pH-value (1 %):	not applicable
Boiling point [°C]:	not applicable
Flash point [°C]:	not applicable
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]:	2,0 - 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]:	not determined
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:	No hazardous decomposition products known.

**11 Toxicological information**

Acute oral toxicity OECD 401:	not determined
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

**KERAFOL Keramische Folien GmbH**

Date printed: 13.03.2007, Revised: 13.03.2007

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):	
Disposal / Contaminated packaging:	Uncontaminated packaging may be taken for recycling.

**14 Transport information**

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

**15 Regulatory information**

<b>Labelling:</b>	The product does not require a hazard warning label in accordance with EC-directives.
<b>Hazard symbols:</b>	

**15.1 Special labelling for certain preparations****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 ()**

EH40/2002 Occupational Exposure Limits Supplement 2003

**KERAFOL Keramische Folien GmbH**

Date printed: 13.03.2007, Revised: 13.03.2007

---

**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