

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

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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 ³]*	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 determined

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