

KERAFOL Keramische Folien GmbH

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1 Identification of the substance / preparation and of the company

Product: KL - 90
Registration number: not applicable
Use: See product information
Identified use: none
Method of operation: See product information.
Company: KERAFOL Keramische Folien GmbH
Stegenthumbach 4-6
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2 Hazards identification

Physico-chemical hazards: No particular hazards known.
Human health dangers: No particular hazards known.
Environmental hazards: The product/the substance is not hazardous to water.
Other hazards: none
Hazard symbols: not applicable
R-phrases: none

3 Composition / Information on ingredients

> 50%	Aluminium oxide
CAS: 1344-28-1, EINECS/ELINCS: 215-691-6, EU-INDEX: , ECBnr:	

Comment on component parts: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

General information: not applicable
Inhalation: Ensure supply of fresh air.
In the event of symptoms seek for medical treatment.
Skin contact: When in contact with the skin, clean with soap and water.
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.

5 Fire-fighting measures

Suitable extinguishing media: Dry powder.
Water spray jet.
Carbon dioxide.
Foam.
Extinguishing media that must not be used: Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products: Unknown 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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6 Accidental release measures

- Personal precautions:** No special measures necessary.
- Environmental precautions:** Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up:** Take up mechanically.
Dispose of absorbed material in accordance with the regulations.

7 Handling and storage

- Advice on safe handling:** No special measures necessary if used correctly.
- 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.

8 Exposure controls / personal protection

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

Ingredients with occupational exposure limits to be monitored:

> 50%	Aluminium oxide, 10mg/m ³ *, General remarks: (inhalable dust)
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*** WEL: Workplace 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:** Avoid contact with eyes and skin.
- 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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9 Physical and chemical properties

Form:	film
Color:	black
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
Oxidizing properties:	no
Vapour pressure [kPa]:	not applicable
Density [g/ml]:	not determined
Density at [°C]:	
Bulk density [kg/m³]:	not applicable
Solubility in water:	virtually 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 applicable
Decomposition temperature:	not determined

10 Stability and reactivity

Hazardous reactions:	No hazardous reactions known.
Hazardous decomposition products:	
	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	Toxicological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

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12 Ecological information

Fish toxicity:	not determinated
Daphnia toxicity:	not determinated
Behaviour in environment compartments:	not determinated
Behaviour in sewage plant:	not determinated
Bacteria toxicity:	not determinated
Biological degradability:	not determinated
COD:	not determinated
BOD 5:	not determinated
AOX-advice:	No dangerous components.
2006/11/EC:	not applicable
General information:	No classification on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

Product:	For recycling, consult manufacturer. Disposal in an incineration plant in accordance with the regulations of the local authorities.
Contaminated packaging:	Uncontaminated packaging may be taken for recycling.
Waste no. (recommended):	060316 070299

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
- Classification Code:	
- Label:	
- ADR LQ	
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): -
Classification according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"
- EMS:	
- Label:	
- IMDG Limited Quantities:	
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"
- Label:	

15 Regulatory information

Exposure scenario:	not applicable
Chemical safety report:	not applicable
Labelling:	The product does not require a hazard warning label in accordance with EC-directives.
Hazard symbols:	not applicable
R-phrases:	none
S-phrases:	none
Special labelling:	Safety data sheet available for professional user on request.
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
NATIONAL REGULATIONS	EH40/2005 Workplace exposure limits with amendments October 2007.

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16 Other informations

Modified position: Chapter: 15; Plus The product does not require a hazard warning label in accordance with EC-directives.
Chapter: 15; Minus S 37: Wear suitable gloves.
Chapter: 08; Minus Do not eat, drink, smoke or take drugs at work.
Chapter: 15; Minus R 43: May cause sensitisation by skin contact.
Chapter: 15; Minus S 24: Avoid contact with skin.
Chapter: 15; Minus Irritant
Chapter: 15; Plus Safety data sheet available for professional user on request.
Chapter: 02; Plus The product/the substance is not hazardous to water.

Observe employment restrictions for people:
no

VOC (1999/13/CE): 0%

Customs Tariff: not determinated

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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