

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

Product:	METERIN
Use:	Extinguishing media
Company:	LÖFFLER & KÖNIG GmbH Brandstätterstraße 17a 90556 Cadolzburg
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02. Composition / Information on ingredients

No dangerous components.

03. Hazards identification

No special hazards have to be mentioned.

04. First aid measures

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms refer for medical treatment.
Skin contact	In case of contact with skin wash off with warm 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 refer for medical treatment.
Ingestion	Induce the patient to vomit of his own accord only if fully conscious. Rinse out mouth and give plenty of water to drink. Supply with medical care.
Advice to doctor	Treat symptomatically.

05. Fire-fighting measures

Suitable extinguishing media	Product itself is non-combustible, fire extinguishing method of surrounding areas must be considered.
Extinguishing media that must not be used	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products	In the event of fire the following can be released: Carbon monoxide (CO).
Special protective equipment for firefighters	Use self-contained breathing apparatus.
Additional information	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

06. Accidental release measures

Personal precautions	None.
Environmental precautions	Do not discharge into the drains/ surface waters/ groundwater.
Methods for cleaning up/taking up	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with the regulations.

07. 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	No special measures necessary.
Advice on storage compatibility	None.
Further information on storage conditions	Keep container tightly closed.

08. Exposure controls / personal protection

Additional advice on system design

Not applicable.

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	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 applicable.

09. Physical and chemical properties

Form:	Liquid.	Vapour pressure [kPa]:	Not determined.
Colour:	Clear.	Density [g/ml]:	1,16
Odour:	Odourless.	Bulk density [kg/m³]:	Not applicable.
pH-value:	7,4 (328g/l)	Solubility in water:	Miscible.
pH-value, 1%	Not determined.	Partition coefficient: n-octanol / water:	Not determined.
Boiling point [°C]:	100	Viscosity:	Not applicable.
Flash point [°C]:	Not applicable.	Relative vapour density determined in air:	Not applicable.
Flammability:[°C]	Not applicable.	Evaporation speed:	Not applicable.
Lower explosion limit:	Not applicable.	Melting point [°C]:	-10
Upper explosion limit:	Not applicable.	Autoignition temperature [°C]:	Not applicable.
Combustible properties:	No.	Decomposition temperature [°C]:	Not applicable.

10. Stability and reactivity

Hazardous reactions	Reactions with acids, alkalies and oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products known.

11. Toxicological information

Acute oral toxicity OECD 401	Not determined.
Acute dermal toxicity OECD 402	Not determined.
Acute inhalational toxicity OECD 403	Not determined.
Irritant effect on eye OECD 405	Not determined.
Irritant effect on skin OECD 404	Not determined.
Sensitization OECD 406	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	No classification on the basis of the calculation procedure of the preparation directive.

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.
BOD5	Not determinated.
AOX-advice	Not applicable.
76/464/EC	Yes.
General information	Ecological data are not available.

13. Disposal considerations

Disposal / Product	For recycling, consult manufacturer. Coordinate disposal with the authorities if necessary.
Waste no. (recommended)	070799
Disposal / Contaminated packaging	Packaging that cannot be cleaned should be disposed of as for product. Emptied and rinsed clean packing can be reused.

14. Transport information

<u>Classification according to ADR:</u>	no dangerous goods		
Declaration:			
Labelling:	Hazard-no:		
Factor, ADR 1.1.3.6:	Label:		
LQ, ADR 3.4.6:	Vapour pressure [kPa]:	Not determinated.	

Classification according to IMDG:

Declaration:	not classified as Dangerous Goods
Labelling:	
Label:	
LQ, [l/kg]:	EmS:

Classification according to IATA:

Declaration:	not classified as Dangerous Goods
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

Not applicable.

15.2 National regulations (GB)

Not determined.

16. Other informations

None.

16.1 Sources of documentation

EEC:91/155 (2001/58); 67/548 (2004/73), 29. ATP; 1999/45 (2001/60); 91/689 (2001/118); 89/542; 1999/13
Transport information: ADR (2005); IMDG-Code (32.Amdt.); IATA-DGR (2005)

16.2 Additional information

Observe employment restrictions for people	No.
VOC, 1999/13/EG	Not applicable.
Customs Tariff	Not determined.

16.3 Information on ingredients - 648/2004

Not applicable.

16.4 Modified position:

chapter	modified
08	Butyl rubber, >120 min (EN 374) (plus)