

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

<b>Product:</b>	<b>METERIN</b>
<b>Use:</b>	Extinguishing media
<b>Company:</b>	<b>LÖFFLER &amp; KÖNIG GmbH</b> 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**

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms refer for medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off with warm water . Consult a doctor if skin irritation persists.
<b>Eye contact</b>	In case of contact with eyes rinse thoroughly with water. In the event of symptoms refer for medical treatment.
<b>Ingestion</b>	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.
<b>Advice to doctor</b>	Treat symptomatically.

**05. Fire-fighting measures**

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

<b>06. Accidental release measures</b>	
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<b>Personal precautions</b>	None.
<b>Environmental precautions</b>	Do not discharge into the drains/ surface waters/ groundwater.
<b>Methods for cleaning up/taking up</b>	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with the regulations.

<b>07. Handling and storage</b>	
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<b>Advice on safe handling</b>	No special measures necessary if used correctly.
<b>Advice on protection against fire and explosion</b>	No special measures necessary.
<b>Requirements for storage rooms and vessels</b>	No special measures necessary.
<b>Advice on storage compatibility</b>	None.
<b>Further information on storage conditions</b>	Keep container tightly closed.

<b>08. Exposure controls / personal protection</b>	
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**Additional advice on system design**

Not applicable.

Ingredients with occupational exposure limits to be monitored: Not applicable.

<b>Respiratory protection</b>	Not applicable.
<b>Hand protection</b>	Butyl rubber, >120 min (EN 374)
<b>Eye protection</b>	Safety glasses.
<b>Skin protection</b>	Not applicable.
<b>General protective measures</b>	Avoid contact with eyes and skin.
<b>Hygiene measures</b>	Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition</b>	Not applicable.

### 09. Physical and chemical properties

<b>Form:</b>	Liquid.	<b>Vapour pressure [kPa]:</b>	Not determined.
<b>Colour:</b>	Clear.	<b>Density [g/ml]:</b>	1,16
<b>Odour:</b>	Odourless.	<b>Bulk density [kg/m<sup>3</sup>]:</b>	Not applicable.
<b>pH-value:</b>	7,4 (328g/l)	<b>Solubility in water:</b>	Miscible.
<b>pH-value, 1%</b>	Not determined.	<b>Partition coefficient: n-octanol / water:</b>	Not determined.
<b>Boiling point [°C]:</b>	100	<b>Viscosity:</b>	Not applicable.
<b>Flash point [°C]:</b>	Not applicable.	<b>Relative vapour density determined in air:</b>	Not applicable.
<b>Flammability:[°C]</b>	Not applicable.	<b>Evaporation speed:</b>	Not applicable.
<b>Lower explosion limit:</b>	Not applicable.	<b>Melting point [°C]:</b>	-10
<b>Upper explosion limit:</b>	Not applicable.	<b>Autoignition temperature [°C]:</b>	Not applicable.
<b>Combustible properties:</b>	No.	<b>Decomposition temperature [°C]:</b>	Not applicable.

### 10. Stability and reactivity

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

### 11. Toxicological information

<b>Acute oral toxicity OECD 401</b>	Not determined.
<b>Acute dermal toxicity OECD 402</b>	Not determined.
<b>Acute inhalational toxicity OECD 403</b>	Not determined.
<b>Irritant effect on eye OECD 405</b>	Not determined.
<b>Irritant effect on skin OECD 404</b>	Not determined.
<b>Sensitization OECD 406</b>	Not determined.
<b>Subacute toxicity</b>	Not determined.
<b>Chronic toxicity</b>	Not determined.
<b>Mutagenicity</b>	Not determined.
<b>Reproduction toxicity</b>	Not determined.
<b>Carcinogenicity</b>	Not determined.
<b>Experiences made in practice</b>	None.
<b>General remarks</b>	No classification on the basis of the calculation procedure of the preparation directive.

### 12. Ecological information

<b>Fish toxicity</b>	Not determinated.
<b>Daphnia toxicity</b>	Not determinated.
<b>Behaviour in environment compartments</b>	Not determinated.
<b>Behaviour in sewage plant</b>	Not determinated.
<b>Bacteria toxicity</b>	Not determinated.
<b>Biological degradability</b>	Not determinated.
<b>COD</b>	Not determinated.
<b>BOD5</b>	Not determinated.
<b>AOX-advice</b>	Not applicable.
<b>76/464/EC</b>	Yes.
<b>General information</b>	Ecological data are not available.

### 13. Disposal considerations

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

### 14. Transport information

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

#### **Classification according to IMDG:**

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

#### **Classification according to IATA:**

<b>Declaration:</b>	not classified as Dangerous Goods
<b>Labelling:</b>	
<b>Label:</b>	

LÖFFLER &amp; KÖNIG GmbH

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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 determinated.

**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**

<b>Observe employment restrictions for people</b>	No.
<b>VOC, 1999/13/EG</b>	Not applicable.
<b>Customs Tariff</b>	Not determinated.

**16.3 Information on ingredients - 648/2004**

Not applicable.

**16.4 Modified position:**

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