

**meterin**<sup>®</sup>

Brandschutz Heimlich GmbH  
 Gartenfeldstr. 14  
 35781 W-Gaudernbach  
 Tel.: 06471-6292-0 - Fax: 6292-166

# Safety Data Sheet

# Meterin

PL-12/87 91 / 155 / EWG

Safety Data Sheet

KW: 02/2010

Ausgabedatum:05.01.2010

Rev. 002 v.01.05.2008

## 1. Material/preparation and Company name

**Product:** HEIM-EX / METERIN / Neufrol-M  
**Use:** Fire extinguishing agent  
**Company:** Brandschutz Heimlich GmbH  
 Gartenfeldstraße 14  
 35781 Weilburg-Gaudernbach  
 Tel: 06471-6292-0  
 Fax: 06471-6292-166

## 2. Composition/ data to components

No dangerous components contain

## 3. Possible Dangers

No dangers particularly which can be mentioned

## 4. First aid measures

**General references:** Moistened clothes change

**After inhale:** For fresh air provide. Supply with complaints of medical treatment

**After skin contact :** Rinse off during contact with the skin with warm water.  
 Visit physican during continous skin provoking.

**After Eye contact::** Rinse off during contact with the eyes thoroughly with water.  
 Supply with complaints of medical treatment.

**After swallowing:** The concerning only with full consciousness independently to vomit leave

Mouth and plentifully water Nachtrinken rinse out. Supply medical treatment

**Notes for the physican:** Treat symptomatically

## 5. Measures for fire fighting

**Suitable fire extinguishing agent:** Product does not burn, delete measures on the environment fire co-ordinates.

**Unsuitable fire extinguishing agent:** Water full jet

**Special endangerment by the material or the product:** With fire can be set free: Carbon monoxide (CO).

**Special one Protection equipment during the fire fighting:** Circulating air-independent respirator use.

**Additional reference:** Fire arrears and contaminated fire fighting water must be disposed of according to the local official regulations.

## 6. Measures with unintentional setting free

**Personal precautionary measures:** None.

**Environmental protection measures :** Into drains Oberflächenwasser/groundwaters to arrive do not leave.

**Procedure for Cleaning admission:** With liquid-binding material (e.g. sand, Sägemehl, Universal bonding agent, Kieselgur) take up. The taken up material correctly dispose of

## 7. Handling and storage

**References to safe handling:** In the case of appropriate use no special measures necessarily

**References to the fire and explosion protection:** No special measures necessarily.

**Requirement on Stockrooms and containers:** No special measures necessarily

**Further data to the storage conditions:** Containers keep closely closed.

## 8. Exposition delimitation and personal protection equipment

**Additional references to the organization of technical plants:** Not applicably

**Components with work place-referred, too supervising**

**bordering rate:** Not applicably.

**Respiratory protection:** Not applicably..

**Hand protection:** Butylkautschuk, >120 min (EN 374)

**Eye protection:** Eye protector

**Body protection:** Not applicably.

**General one Preventive measures:** Contact with the eyes and the skin avoid

**Hygienic measures:** Wash hands before the breaks and with end of work.

Preventive skin protection by skin protection ointment

**Delimitation and monitoring of the environmental exposition** . Not applicably

## 9. Physical and chemical characteristics

<b>Form:</b>	liquid	<b>Steam pressure [kPa]:</b>	Dos not determine.
<b>Colour:</b>	Clearly	<b>Density [g/ml]:</b>	1,16
<b>Smell:</b>	Odorless	<b>Bulk density [kg/m³]:</b>	Dos not determine.
<b>pH-value:</b>	7,4 (328g/l)	<b>Solubility in water:</b>	Mixable
<b>pH-valuet, 1%-ig:</b>	Dos not determine.	<b>Distribution coefficient:</b>	
	Octanol / Water:	<b>n- Octanol / Water:</b>	Dos not determine
<b>Boiling point [°C]:</b>	100	<b>Viscosity:</b>	Not relevantly.
<b>Flame point [°C]:</b>	Dos not determine.	<b>Relative steam density related to air</b>	
	Relatet to air :	Dos not determine.	
<b>Inflammability [°C]:</b>	Dos not determine.	<b>Evaporation speed:</b>	Dos not determine.
<b>Lower one</b>		<b>Fusion point [°C]:</b>	-10
<b>Explosion limit</b> :	Dos not determine.	<b>Self inflammation [°C]:</b>	<b>Dos not determine.</b>
<b>Upper one</b>		<b>Point of decomposition:</b>	Dos not determine.
<b>Explosion limit</b> :	Dos not determine.		
<b>Fire-promoting:</b>	None.		

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### 10. Stability and Reactivity

**Dangerous Reaction:** Reaction with acids, alkalis and oxidizing agents.

**Dangerous one  
 Decomposition**

**Products :** No dangerous decomposition products admits

### 11. Data to the toxicology

#### Acute oral Toxicity

**OECD 401:** Does not determine.

#### Acute dermale Toxicity

**OECD 402:** Does not determine.

#### Acute inhalative

**Toxicity OECD 403:** Does not determine.

#### Irritation to

**Eye 405:** Does not determine.

#### Irritation to

**Skin OECD 404:** Does not determine.

#### Sensitisation

**OECD 406:** Does not determine.

**Subacute Toxicity:** Does not determine.

**Chronical Toxicity:** Does not determine.

**Mutagenität:** Does not determine.

**Reproductionstoxicity:** Does not determine.

**Cancerogenation:** Does not determine.

**Experience from practice:** None.

**General remark :** No classification after computation methods of the preparation guideline

### 12. Data to the Ecology

**Fishtoxicity:** Does not determine.

**Daphnientoxicity:** Does not determine.

#### Behavior in Enviroment compartments:

Does not determine.

**Behavior in Purification plants:** Does not determine.

**Bacteria toxicityt:** Does not determine.

**Biological degradablenes:** Does not determine.

**CSB:** Does not determine.

**BSB5:** Does not determine.

**AOX-Reference:** Does not determine.

**76/464/EWG:** Yes.

### 13. Refernces to disposal

**Disposial / Product:** Disposial in accordance withthe official regulations.

**Waste-Nr.**

**(recommended):** 070799

**Disposial / Uncleaned**

**package:** Cleanable packing is not to be disposed of like the material. Emptied and rinsed can be used clean packing again.

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### 14. Data to Transport

**Classification ADR:** no danger property  
**Designation:**  
**Marking :** **Danger-Nr.:**  
**Factor, ADR 1.1.3.6:** **Danger Note:**  
**LQ, ADR 3.4.6** **Steam Pressure[kPa]:** Does not determine.

**Classification IMDG:** not classified as Dangerous Goods  
**Designation:**  
**Marking:**  
**Danger Note:**  
**LQ, [l/kg]:** **EmS:**

**Classification nach IATA:** not classified as Dangerous Goods  
**Designation:**  
**Marking:**  
**Danger Note:**

### 15. Regulations

**Marking**  
**Danger Symbols:**

#### 15.1 Special marking of certain preparations

Not relevantly.

#### 15.2 National Regulations (DE)

**Water endangment class:** 1, gem. VwVws of 27.07.2005  
**Indicent regulation,**  
**Limit values consider:** No.  
**Classification of**  
**TA-Air** Does not determine.  
**Product code:** Does not determine.  
**BfR-Nr.:** Does not determine.  
**Other regulations:**

### 16. Other Data

None.

#### 16.1 Source of documentation

Gefahrstoffverordnung – GefStoffV 2004; 89/542/EWG; 89/686/EWG; Wasch- und Reinigungsmittelgesetz – WRMG, Wasserhaushaltsgesetz – WHG TRG 300, TRGS 200, TRGS 220, EU: 91/155 (2001/58); 67/548 (2004/73); 29. ATP; 1999/45 (2001/60); 91/689 (2001/118); 89/542; 1999/23  
 Data to transport: ADR (2005); IMDG-Code (32.Amdt.); IATA-DGR (2005)

#### 16.2 Additional references

**Cross setting**  
**Consider :** No.  
**VOC, 1999/13/EG:** Does not determine.

#### 16.3 Data to componentes – 648/2004/EG

Does not determine.

#### 16.4 Changed position:

**chapter changed**  
 08 Butylkautschuk, >120 min (EN 374) (plus)