

# Material Safety Data Sheet

according to 91/155/EEC

**Product name :** MASTERTOP 1109, COMP B  
**Revision :** 11.07.2006      **Version :** 2.0.0  
**Print date :** 31.07.2006

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## 01. Identification of substance, preparation and company

### Product name

MASTERTOP 1109, COMP B (820-1109-001B)

### Manufacturer/Supplier

BASF Bautechnik GmbH

### Street/P.O.Box

An der Mühle 1 /

### Country code/Postal code/Town/City

D-15345 Altlandsberg

### Telephone / Telefax

0049-(0)33438-50-0 / 0049-(0)-3343850135

### Emergency information

Schweizer Toxzentrum +0041-1-2515151 (CH)  
Centre Anti - Poison +0033 01 40 37 04 04 (FR)  
Toxikologické informa-ní st-edisko +00420 224 919 293 (CZ)  
Myrkytystietokeskus puh.(suora) +358 (0) 9 471 977 (vaihde) 094711 (FIN)

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## 02. Composition/information on ingredients

### Chemical characterization

Solventfree modified epoxy resin

### Hazardous components

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700)  
; CAS-No. : 25068-38-6

Percentage : 50 - 100 %

Classification : N ; R 51/53 R 43 Xi ; R 36/38

REACTION PRODUCT: BISPHENOL F-EPICHLORHYDRIN MG < 700 ; CAS-No. : 9003-36-5

Percentage : 10 - 25 %

Classification : N ; R 51/53 R 43 Xi ; R 36/38

For the wording of the listed risk phrases refer to section 16.

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## 03. Hazards identification

### Hazard designation

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · May cause sensitisation by skin contact. · Irritating to eyes and skin.

Classification : N ; R 51/53 · R 43 · Xi ; R 36/38

### Additional information

The product sensitizes the skin. It is skin irritating as well and repeated contact can increase this effect. The product is water polluting.

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## 04. First-aid measures

### After inhalation

Take the casualty into the fresh air and keep warm. Keep at rest. Irregular breathing/no breathing: artificial respiration.  
Unconsciousness: lateral position - call a physician.

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## **After skin contact**

Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

## **After eye contact**

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

## **After ingestion**

Contact a doctor immediately. Keep at rest. Do not induce vomiting.

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## **05. Fire-fighting measures**

### **Suitable extinguishing media**

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

### **Unsuitable extinguishing media**

Waterjet.

### **Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

### **Special protective equipment**

Appropriate breathing apparatus may be required.

### **Additional information**

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

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## **06. Accidental release measures**

### **Personal precautions**

Remove ignition sources. Provide for sufficient ventilation. Do not inhale the vapour. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### **Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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## **07. Handling and storage**

### **Information for safe handling**

Avoid contact with skin and eyes. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

### **Information about protection against explosions and fires**

No particular measures required.

### **Requirements to be met by storerooms and containers**

Containers should be kept dry and sealed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **Information about separation of incompatible products**

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

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## Further information about storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

**Storage class (VCI) :** 10

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## 08. Exposure controls and personal protection

### Additional information about engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

### Personal protective equipment

#### General protective and hygiene measures

Wash hands before breaks and after work.

#### Respiratory protection

If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

#### Hand protection

Butylrubber  $\geq 0,5\text{mm}$   $\geq 480$  min. After washing hands replace lost skin fat by fat containing skin creams. By using other gloves with a lower endurance, change them more often.

#### Eye protection

Use safety glasses.

#### Body protection

Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

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## 09. Physical and chemical properties

### Image

**Form :** Liquid.  
**Colour :** White.  
**Odour :** Characteristic.

### Relevant safety data

<b>Boiling point / range :</b>	( 1013 hPa )	>	200	°C	
<b>Flash point :</b>		>	100	°C	DIN 53213
<b>Vapour pressure :</b>	( 50 °C )		no data available		
<b>Density :</b>	( 20 °C )	ca.	1.1	g/cm <sup>3</sup>	
<b>Solvent-separation test :</b>	( 20 °C )		no data available		
<b>Viscosity :</b>	( 23 °C )		90 - 130	mPa.s	

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## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### Materials to avoid

Be careful of exothermic reactions with amines.

### Hazardous decomposition products

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When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

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## 11. Toxicological information

### Experience on practice

In case of contact with the product: danger of resorption through the skin, irritation of skin/mucous membranes. Eye contact: irritation. Skin contact: frequent and prolonged skin contact may cause irritation and skin inflammation. Susceptible people may suffer allergic reactions.

### Additional toxicological information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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## 12. Ecological information

### Details on elimination (persistence / degradability)

#### Biological degradation / elimination

**Specification :** Biodegradadtion ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700) ; CAS-No. : 25068-38-6 )  
**Findings :** not readily biodegradable.

### Ecotoxic effects

#### Aquatic toxicity

**Specification :** Toxicity to fish ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700) ; CAS-No. : 25068-38-6 )  
**Parameters :** LC 50  
Species: Trout  
**Value / dosage :** 1.5 mg/l  
**Test-period :** 96 h

**Specification :** Toxicity to daphnia ( REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700) ; CAS-No. : 25068-38-6 )  
**Parameters :** EC50  
Species: Daphnia magna Straus 1820  
**Value / dosage :** 3.6 mg/l  
**Test-period :** 24 h

### Additional ecological information

#### General ecological information

Do not empty into waters or drains. The product is difficult to biologically degrade.

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## 13. Disposal considerations

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

### Product

#### Waste key

According to the actual waste legislation it is not possible for us to give the waste code because it depends on the application of the product that we do not know here. If you need some help to determine this code, please ask your executives. Disposal Code according to European Waste Catalog (EWC) please specify according to the use of product, e.g.: 080111\* Waste from production, formulation, sales and application of paints and varnishes. Old paints and varnishes, containing organic solvents or some other dangerous product.

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## 14. Transport information

### Land transport ADR/RID

#### Classification

**Class :** 9      **Kemlercode :** 90  
**Substance number :** 3082      **Classification-Code :** M6

LQ 7

#### Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### Hazardous components

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700)

#### Packaging

**Packaging group :** III  
**Label :** 9

### Maritime transport IMDG/GGVSea

#### Classification

**IMDG-Code :** 9      **EmS number :** F-A / S-F  
**UN number :** 3082      **Marine Poll. :** -

LQ 5 I

#### Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### Hazardous components

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700)

#### Packaging

**Packaging group :** III  
**Label :** 9

### Air transport ICAO-TI and IATA-DGR

#### Classification

**Class :** 9  
**UN number :** 3082

#### Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### Hazardous components

REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN), EPOXY RESIN (NUMBER AVERAGE MOLECULAR WEIGHT <=700)

#### Packaging

**Packaging group :** III  
**Label :** 9

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## 15. Regulatory information

### Classification according to EC directives

#### Danger symbol and danger designation



Xi ; Irritant

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N ; Dangerous for the environment

## Hazard-determining components of labelling

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; CAS-No. : 25068-38-6

REACTION PRODUCT: BISPHENOL F-EPICHLORHYDRIN MG < 700 ; CAS-No. : 9003-36-5

## R-phrases

51/53      Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
43      May cause sensitisation by skin contact.  
36/38      Irritating to eyes and skin.

## S-phrases

29/35      Do not empty into drains; dispose of this material and its container in a safe way.  
61      Avoid release to the environment. Refer to special instructions/Safety data sheets.  
2      Keep out of the reach of children.  
37      Wear suitable gloves.  
46      If swallowed, seek medical advice immediately and show this container or label.  
64      If swallowed, rinse mouth with water (only if the person is conscious).  
26      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
24/25      Avoid contact with skin and eyes.

## Special designation for certain preparations

92      Contains epoxy constituents. See information supplied by the manufacturer.

## National regulatory information

Germany: Safety Instruction Code of German occupational safety and health organisation. Berufsgenossenschaften der Bauwirtschaft: GISCODE RE 1

## Regulation on inflammable liquids (VbF)

VbF-Class : Not dangerous according to VbF

## Water pollution classification

Class : 2 according VwVWS

## Other regulations

Refer as well to German safety guideline (UVV) "Handling of coating materials" (HVBG, VBG 23) and German guideline "Polyester- and Epoxi-Resins" (BG-Chemie, M 023, ZH 1/80)  
Switzerland: Please refer to the guidelines of SUVA and EKAS. e.g.: "Guideline for preventing accidents when using two component resins" (SUVA 1854)

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## 16. Other information

### Restrictions on use recommended by the manufacturer

Coating material - use only according to the Technical Information of the product.

### Further information

We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 16 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

### Relevant changes

14. Proper shipping name (ADR) · 14. Proper shipping name (IMDG) · 14. Proper shipping name (ICAO) · 15. S-phrases

### R-Phrases of components

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36/38                      Irritating to eyes and skin.  
43                              May cause sensitisation by skin contact.  
51/53                      Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Department issuing data sheet

BASF Construction Chemicals Business Line Performance Flooring.

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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