

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 28.05.2015

Version: 2.0

Product: **MasterSeal GG 470**

(ID no. 50487241/SDS\_GEN\_EU/EN)

Date of print 14.03.2019

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

## MasterSeal GG 470

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals

### 1.3. Details of the supplier of the safety data sheet

Company:

BASF Construction Chemicals Egypt

Factory: Piece 118, Zone 4

Sadat City - Monoufaia, Egypt

Contact address:

BASF SE

67056 Ludwigshafen

GERMANY

Telephone: +49 621 60-0

E-mail address: [global.info@basf.com](mailto:global.info@basf.com)

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

| Repr. Additional category for effects on or via lactation.

| STOT RE (Lung) 1 (by inhalation)

Aquatic Chronic 2

According to Directive 67/548/EEC or 1999/45/EC

## Possible Hazards:

Toxic: danger of serious damage to health by prolonged exposure through inhalation.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

May cause harm to breastfed babies.

Repeated exposure may cause skin dryness or cracking.

For the classifications not written out in full in this section the full text can be found in section 16.

**2.2. Label elements**According to Regulation (EC) No 1272/2008 [CLP]

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H362	May cause harm to breast-fed children.
H372	Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation).
H411	Toxic to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P260	Do not breathe dust/gas/mist/vapours.
P202	Do not handle until all safety precautions have been read and understood.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.
P263	Avoid contact during pregnancy/while nursing.

## Precautionary Statements (Response):

P314	Get medical advice/attention if you feel unwell.
P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P391	Collect spillage.

## Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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## Labeling of special preparations (GHS):

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| EUH208: May produce an allergic reaction. Contains: BISPHENOL-A-EPICHLORHYDRIN RESINS  
M <=700

| EUH066: Repeated exposure may cause skin dryness or cracking.

According to Regulation (EC) No 1272/2008 [CLP]

| Hazard determining component(s) for labelling: C14/C17-CHLOROALKANES, Quartz (SiO<sub>2</sub>)

According to Directive 67/548/EEC or 1999/45/EC

Directive 1999/45/EC ('Preparation Directive')

Hazard symbol(s)

T Toxic.



N Dangerous for the environment.



R-phrases(s)

R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R64 May cause harm to breastfed babies.

R66 Repeated exposure may cause skin dryness or cracking.

S-phrases(s)

S1/2 Keep locked-up and out of reach of children.

S24 Avoid contact with skin.

S29 Do not empty into drains.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

| Hazard determining component(s) for labelling: C14/C17-CHLOROALKANES, Quartz (SiO<sub>2</sub>)

| The product contains: BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700  
May produce an allergic reaction.

### 2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

**SECTION 3: Composition/Information on Ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**Chemical nature

Preparation based on: Polymer, fillers, sulphur compounds

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

manganese dioxide

Content (W/W):  $\geq 7\%$  -  $< 10\%$ 

CAS Number: 1313-13-9

EC-Number: 215-202-6

Acute Tox. 4 (Inhalation - dust)

Acute Tox. 4 (oral)

H332, H302

| reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight  $\leq 700$ )Content (W/W):  $\geq 0.3\%$  -  $< 1\%$ 

CAS Number: 25068-38-6

EC-Number: 500-033-5

INDEX-Number: 603-074-00-8

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2

Skin Sens. 1

Aquatic Chronic 2

H319, H315, H317, H411

Specific concentration limit:Skin Irrit. 2:  $\geq 5\%$ Eye Irrit. 2:  $\geq 5\%$ 

alkanes, C14-17, chloro; chlorinated paraffins, C14-17

Content (W/W):  $\geq 20\%$  -  $< 25\%$ 

CAS Number: 85535-85-9

EC-Number: 287-477-0

INDEX-Number: 602-095-00-X

Repr. Add. cat. lact.

Aquatic Acute 1

Aquatic Chronic 1

H362, H400, H410

| Quartz (SiO<sub>2</sub>)Content (W/W):  $\geq 0.3\%$  -  $< 15\%$ 

CAS Number: 14808-60-7

EC-Number: 238-878-4

STOT RE (Lung) 1 (by inhalation)

H372

| POLYSULPHIDE POLYMER WITH THIOL END GROUPS (MG&lt;1800)

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Content (W/W):  $\geq 20\%$  -  $< 25\%$  Aquatic Chronic 3  
CAS Number: 68611-50-7 H412

#### Hazardous ingredients

according to Directive 1999/45/EC

alkanes, C14-17, chloro; chlorinated paraffins, C14-17

Content (W/W):  $\geq 20\%$  -  $< 25\%$ 

CAS Number: 85535-85-9

EC-Number: 287-477-0

INDEX-Number: 602-095-00-X

Hazard symbol(s): N

R-phrases(s): 64, 66, 50/53

| Quartz (SiO<sub>2</sub>)Content (W/W):  $\geq 0.3\%$  -  $< 15\%$ 

CAS Number: 14808-60-7

EC-Number: 238-878-4

Hazard symbol(s): T

R-phrases(s): 48/23

manganese dioxide

Content (W/W):  $\geq 7\%$  -  $< 10\%$ 

CAS Number: 1313-13-9

EC-Number: 215-202-6

Hazard symbol(s): Xn

R-phrases(s): 20/22

| reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecularweight  $\leq 700$ )Content (W/W):  $\geq 0.3\%$  -  $< 1\%$ 

CAS Number: 25068-38-6

EC-Number: 500-033-5

INDEX-Number: 603-074-00-8

Hazard symbol(s): Xi, N

R-phrases(s): 36/38, 43, 51/53

| POLYSULPHIDE POLYMER WITH THIOL END GROUPS (MG&lt;1800)

Content (W/W):  $\geq 20\%$  -  $< 25\%$ 

CAS Number: 68611-50-7

R-phrases(s): 52/53

For the classifications not written out in full in this section, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, the full text is listed in section 16.

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## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

### **5.2. Special hazards arising from the substance or mixture**

Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

### **5.3. Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## SECTION 6: Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

### 6.2. Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

### 7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits

471-34-1: Calcium carbonate  
1313-13-9: manganese dioxide  
13463-67-7: Titanium dioxide  
14807-96-6: Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>)  
14808-60-7: Quartz (SiO<sub>2</sub>)  
85535-85-9: alkanes, C14-17, chloro; chlorinated paraffins, C14-17

## 8.2. Exposure controls

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

### General safety and hygiene measures

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

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## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form:	pasty
Colour:	dark grey
Odour:	characteristic
Odour threshold:	No applicable information available.
pH value:	not soluble
Boiling point:	> 200 °C
Flash point:	> 100 °C



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Flammability: not highly flammable

Vapour pressure:

not applicable

Density:

1.6 g/cm<sup>3</sup>

(25 °C)

Solubility in water:

insoluble

Self ignition:

not self-igniting

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic:

not determined

Explosion hazard:

not explosive

Fire promoting properties: not fire-propagating

## 9.2. Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

### 10.4. Conditions to avoid

See MSDS section 7 - Handling and storage.

### 10.5. Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents, strong reducing agents

### 10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

Acute toxicity

## Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation

## Assessment of irritating effects:

No irritation is expected under intended use and appropriate handling. Based on available Data, the classification criteria are not met.

Respiratory/Skin sensitization

## Assessment of sensitization:

A sensitizing effect on particularly sensitive individuals cannot be excluded. The product has not been tested. The statement has been derived from the properties of the individual components.

Germ cell mutagenicity

## Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Carcinogenicity

## Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Reproductive toxicity

## Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Developmental toxicity

## Assessment of teratogenicity:

May cause harm to children via breast-feeding.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

## Assessment of repeated dose toxicity:

Repeated inhalation exposure to small quantities may affect certain organs.

Other relevant toxicity information

Has a degreasing effect on skin. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Assessment of aquatic toxicity:

May cause long-term adverse effects in the aquatic environment. Acutely toxic for aquatic organisms.

### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

### **12.3. Bioaccumulative potential**

Assessment bioaccumulation potential:

No data available.

Discharge into the environment must be avoided.

### **12.4. Mobility in soil**

Assessment transport between environmental compartments:

Volatility: No data available.

### **12.5. Results of PBT and vPvB assessment**

The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

### **12.6. Other adverse effects**

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

### **12.7. Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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## **SECTION 13: Disposal Considerations**

### **13.1. Waste treatment methods**

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## SECTION 14: Transport Information

### Land transport

ADR

UN number	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14/C17-CHLOROALKANES)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	Tunnel code: E

RID

UN number	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14/C17-CHLOROALKANES)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known

### Inland waterway transport

ADN

UN number	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14/C17-CHLOROALKANES)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known
Transport in inland waterway vessel:	Not evaluated

**Sea transport**

## IMDG

UN number:	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14/C17-CHLOROALKANES)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
	Marine pollutant: YES
Special precautions for user:	None known

**Air transport**

## IATA/ICAO

UN number:	UN 3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains C14/C17-CHLOROALKANES)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known

**14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

**14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

**14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

**14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

**14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

**14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

### SECTION 15: Regulatory Information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

#### 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

### SECTION 16: Other Information

Full text of the classifications, including the indication of danger, the hazard symbols, the R phrases, and the hazard statements, if mentioned in section 2 or 3:

N	Dangerous for the environment.
T	Toxic.
Xn	Harmful.
Xi	Irritant.
64	May cause harm to breastfed babies.
66	Repeated exposure may cause skin dryness or cracking.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
48/23	Also toxic: danger of serious damage to health by prolonged exposure through inhalation.
20/22	Harmful by inhalation and if swallowed.
36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repr.	Reproductive toxicity
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Acute Tox.	Acute toxicity

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Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Sens.	Skin sensitization
Aquatic Acute	Hazardous to the aquatic environment - acute
Skin Irrit.	Skin irritation
Eye Irrit.	Serious eye irritation
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H372	Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation).
H412	Harmful to aquatic life with long lasting effects.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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 Vertical lines in the left hand margin indicate an amendment from the previous version.