

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 23.06.2017

Product: **MasterSeal M 790 PART B**

Version: 1.0

(30672469/SDS\_GEN\_AU/EN)

Date of print 24.06.2017

## 1. Substance/preparation and manufacturer/supplier identification

### MasterSeal M 790 PART B

Use: Product for construction chemicals

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]

BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (Inhalation - vapour)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Respiratory sensitization: Cat. 1

Skin sensitization: Cat. 1B

Carcinogenicity: Cat. 2

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — repeated exposure: Cat. 2

Hazardous to the aquatic environment - chronic: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Danger

Hazard Statement:

Causes serious eye irritation. Causes skin irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Suspected of causing cancer. Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust/gas/mist/vapours. Obtain special instructions before use. Avoid release to the environment. Avoid breathing vapours. Do not handle until all safety precautions have been read and understood. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

IF exposed or concerned: Call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Storage):

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

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.

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### 3. Composition/information on ingredients

#### Chemical nature

Prepolymer based on: isocyanate

### Hazardous ingredients

#### P-MDI

Content (W/W): $\geq 25\%$ - $< 80\%$	Acute Tox.: Cat. 4 (Inhalation - vapour)
CAS Number: 9016-87-9	Eye Dam./Irrit.: Cat. 2A
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Skin Sens.: Cat. 1
	Resp. Sens.: Cat. 1
	Carc.: Cat. 2
	STOT RE: Cat. 2 (Inhalation - vapour)

#### Naphthalene, bis(1-methylethyl)-

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 1
CAS Number: 38640-62-9	Aquatic Chronic: Cat. 1

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## 4. First-Aid Measures

### General advice:

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.

### Note to physician:

Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breath and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposures.

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

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

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foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

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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## 6. Accidental Release Measures

Personal precautions:  
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.

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

Methods for cleaning up or taking 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.

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## 7. Handling and Storage

### Handling

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

### Storage

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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

Diphenylmethane-4,4'-diisocyanate (MDI), 101-68-8;

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STEL value 0.07 mg/m<sup>3</sup> (OEL (AU))  
TWA value 0.02 mg/m<sup>3</sup> (OEL (AU))  
TWA value 0.02 mg/m<sup>3</sup> (AU NOEL)  
STEL value 0.07 mg/m<sup>3</sup> (AU NOEL)  
STEL value 0.07 mg/m<sup>3</sup> (AU NOEL)  
TWA value 0.02 mg/m<sup>3</sup> (AU NOEL)  
TWA value 0.005 ppm (ACGIHTLV)

diphenylmethane-2,4'-diisocyanate, 5873-54-1;

STEL value 0.07 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
TWA value 0.02 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
STEL value 0.07 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.  
TWA value 0.02 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.

Isocyanic acid, polymethylenepolyphenylene ester (P-MDI), 9016-87-9;

STEL value 0.07 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
TWA value 0.02 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
TWA value 0.02 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.  
STEL value 0.07 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.

P-MDI, 9016-87-9;

STEL value 0.07 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
TWA value 0.02 mg/m<sup>3</sup> (OEL (AU))  
Measured as: NCO  
TWA value 0.02 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.  
STEL value 0.07 mg/m<sup>3</sup> (AU NOEL)  
Measured as: NCO  
Advisory carcinogen category: See individual entries.

### 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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## 9. Physical and Chemical Properties

Form: liquid  
Colour: brown, clear  
Odour: characteristic

pH value: not applicable

Melting temperature: The product has not been tested.

Boiling point: > 200 °C

Flash point: approx. 177 °C

Evaporation rate: No data available.

Flammability (solid/gas): not flammable

Lower explosion limit: not applicable

Ignition temperature: not relevant

Thermal decomposition: No decomposition if used as directed.

Self ignition: not self-igniting

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Vapour pressure: The product has not been tested.

Density: approx. 1.13 g/cm<sup>3</sup>  
(20 °C)  
approx. 1.10 g/cm<sup>3</sup>  
(55 °C)

Bulk density: not applicable

Relative vapour density (air):  
No data available.

Solubility in water: not determined

Viscosity, dynamic: 1,300 mPa.s  
(25 °C)

Viscosity, kinematic:  
No data available.

**Other Information:**

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

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## 10. Stability and Reactivity

Conditions to avoid:  
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if used as directed.

Substances to avoid:  
strong acids, strong bases, strong oxidizing agents, strong reducing agents

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

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

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Of moderate toxicity after short-term inhalation.

### Irritation

Assessment of irritating effects:  
Eye contact causes irritation. Skin contact causes irritation.

### Respiratory/Skin sensitization

**Assessment of sensitization:**

The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.

**Germ cell mutagenicity****Assessment of mutagenicity:**

Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

**Carcinogenicity****Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests. A carcinogenic effect cannot safely be ruled out.

**Reproductive toxicity****Assessment of reproduction toxicity:**

No effects have been reported in reproductive organs in long term animal studies.

**Developmental toxicity****Assessment of teratogenicity:**

The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses that were toxic to the parental animals.

**Specific target organ toxicity (single exposure):****Assessment of STOT single:**

Causes temporary irritation of the respiratory tract.

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)****Assessment of repeated dose toxicity:**

Repeated exposure may affect certain organs.

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Other relevant toxicity information**

The product has not been tested. The statement has been derived from the properties of the individual components.

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**12. Ecological Information****Ecotoxicity**



Assessment of aquatic toxicity:

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

### **Mobility**

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

### **Persistence and degradability**

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

Not readily biodegradable (by OECD criteria).

### **Bioaccumulation potential**

Assessment bioaccumulation potential:

Based on a weight of evidence, the compound will not bioaccumulate.

### **Additional information**

Other ecotoxicological advice:

There is a high probability that the product is not acutely harmful to aquatic organisms. 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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## **13. Disposal Considerations**

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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## **14. Transport Information**

### **Domestic transport:**

Hazard class:	9
Packing group:	III
ID number:	UN 3082
Hazard label:	9, EHSM
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains BIS(ISOPROPYL)NAPHTHALENE)

### **Further information**

Hazchem Code:3Z

IERG Number:47

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**Sea transport**

## IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains BIS(ISOPROPYL)NAPHTHALENE)

**Air transport**

## IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains BIS(ISOPROPYL)NAPHTHALENE)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

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**15. Regulatory Information****Other regulations**

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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

**Registration status:**

AICS, AU released / listed

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**16. Other Information**

Recommended use: for industrial and professional users

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

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