

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 12.01.2012

Product: **MASTERFLEX 700 PG hardener**

Version: 1.0

(30364373/SDS\_GEN\_AU/EN)

Date of print 09.02.2012

## 1. Substance/preparation and company identification

### MASTERFLEX 700 PG hardener

Use: Product for construction chemicals

Company:

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

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Harmful if swallowed.

Contact with combustible material may cause fire.

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

Keep out of the reach of children.

Avoid contact with eyes.

Avoid release to the environment. Refer to special instructions/safety data sheets.

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### 3. Composition/information on ingredients

#### Chemical nature

Preparation based on: manganese dioxide, organic solvents

#### Hazardous ingredients

Oxydipropyl dibenzoate

Content (W/W):  $\geq 50\%$  -  $\leq 100\%$

CAS Number: 27138-31-4

manganese dioxide

Content (W/W):  $\geq 50\%$  -  $\leq 100\%$

CAS Number: 1313-13-9

Hazard symbol(s): Xn

R-phrase(s): 20/22

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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### 4. First-Aid Measures

General advice:

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

On skin contact:

Wash thoroughly with soap and water. 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 and then drink plenty of water. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

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

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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**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. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

**Personal precautions:**

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: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.  
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

Handling

Avoid skin contact. No special measures necessary provided product is used correctly.

**Protection against fire and explosion:**

Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

Storage

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

Protect from temperatures below: 5 °C

Protect from temperatures above: 35 °C

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## 8. Exposure controls and personal protection

Components with workplace control parameters

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manganese dioxide, 1313-13-9;  
TWA value 1 mg/m<sup>3</sup> (OEL (AU))  
Measured as: manganese (Mn)

#### Personal protective equipment

##### 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) and other  
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:

Avoid contact with the skin, eyes and clothing. No special measures necessary if stored and handled correctly. Handle in accordance with good building materials hygiene and safety practice. 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
Odour:	product specific
pH value:	slightly alkaline
boiling temperature:	approx. 200 °C
Flash point:	> 100 °C
Flammability:	not self-igniting
Explosion hazard:	not explosive
Density:	approx. 1.67 g/cm <sup>3</sup> (20 °C) not applicable
Bulk density:	not applicable
Solubility in water:	not soluble (20 °C)

## 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 stored and handled as prescribed/indicated.

## Substances to avoid:

strong acids, strong bases, strong oxidizing 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

Information on: manganese dioxide

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion.

EU-classification

Information on: manganese dioxide

LD50 rat (oral): 3,478 mg/kg

Information on: manganese dioxide

LC50 rat (by inhalation): > 1.5 mg/l > 1500 mg/m<sup>3</sup> 4 h (OECD Guideline 403)

An aerosol was tested.

### Irritation

Assessment of irritating effects:

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

### Sensitization

Assessment of sensitization:

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

### Repeated dose toxicity

Assessment of repeated dose toxicity:

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

### **Genetic toxicity**

Assessment of mutagenicity:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

### **Reproductive toxicity**

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

### **Other relevant toxicity information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. 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**

Information on: manganese dioxide

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

The product has not been tested. The statement has been derived from the structure of the product.

No toxic effects occur within the range of solubility.

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### **Persistence and degradability**

Information on: manganese dioxide

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

Not applicable for inorganic substances.

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### 13. Disposal Considerations

Observe national and local legal requirements.

The waste code in accordance with the European waste catalog (EWC) must be specified in cooperation with disposal agency/manufacturer/authorities.

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.

### 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 1,3-DIPHENYLGUANIDINE, THIRAM)

#### **Further information**

Hazchem Code:3Z  
IERG Number:47

#### **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 1,3-DIPHENYLGUANIDINE, THIRAM)

#### **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 1,3-DIPHENYLGUANIDINE, THIRAM)

#### **Further information**

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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 or 500 L.

## 15. Regulatory Information

Poisons Schedule: Not scheduled

### Regulations of the European union (Labelling)

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

Hazard symbol(s)

Xn	Harmful.
N	Dangerous for the environment.

R-phrases(s)

R22	Harmful if swallowed.
R8	Contact with combustible material may cause fire.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S2	Keep out of the reach of children.
S25	Avoid contact with eyes.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazard determining component(s) for labelling: OXYDIPROPYL DIBENZOATE, MANAGESE DIOXIDE

### 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.

### **Registration status:**

AICS, AU released / listed

## 16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xn	Harmful.
20/22	Harmful by inhalation and if swallowed.

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

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.