

**Powers Fasteners Europe BV**  
**1771 SV Wieringerwerf**

Date printed 04.08.2011, Revision 02.03.2011

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## 1 Identification of the substance / preparation and of the company

### 1.1 Product identifier

**SC-PRO M12 up to M30**

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

#### 1.2.1 Relevant uses

Mounting material

#### 1.2.2 Uses advised against

None known.

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

#### Company

Powers Fasteners Europe BV

Westrak 208  
1771 SV Wieringerwerf / HOLLAND  
Phone: +31 (0)888 POWERS (769 377)  
Fax: +31 (0)227-594 759  
Homepage: [www.powerseurope.nl](http://www.powerseurope.nl)

#### Address enquiries to

#### Technical information

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)

### 1.4 Emergency phone

+31 (0) 227 594 740 (08:30 - 17:00)

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

not determined

#### 2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

R 10

### 2.2 Label elements

#### Hazard symbols

none

#### R-phrases

R 10: Flammable.

#### S-phrases

S 3/7: Keep container tightly closed in a cool place.  
S 60: This material and its container must be disposed of as hazardous waste.

#### Special labelling

Contains: Dibenzoyl peroxide. May produce an allergic reaction.

### 2.3 Other hazards

#### Physico-chemical hazards

See chapter 10.

#### Human health dangers

See chapter 11.

#### Environmental hazards

See chapter 12.

#### Other hazards

No particular hazards known.

## 3 Composition / Information on ingredients

### 3.1 Substances

The product in question is a mixture.

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### 3.2 Mixtures

Range [%]	Substance
1 - <12,5	Styrene
	CAS: 100-42-5, EINECS/ELINCS: 202-851-5, EU-INDEX: 601-026-00-0
	GHS/CLP: Flam. Liq. 3, H226 - Acute Tox. 4, H332 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315
	EEC: Xn, R 10-20-36/38
0,1 - <1	Dibenzoyl peroxide
	CAS: 94-36-0, EINECS/ELINCS: 202-327-6, EU-INDEX: 617-008-00-0
	GHS/CLP: Org. Perox. B, H241 - Eye Irrit. 2, H319 - Skin Sens. 1, H317
	EEC: E-Xi, R 3-7-36-43

#### Comment on component parts

For the wording of the listed risk phrases refer to section 16.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.

## 4 First aid measures

### 4.1 Description of first aid measures

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	not applicable

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

No informations available.

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

Treat symptomatically.

## 5 Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	Water spray jet. Dry powder. Foam.
Extinguishing media that must not be used	Full water jet.

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

Carbon monoxide (CO).  
Nitrogen oxides (NOx).  
Unknown risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## 6 Accidental release measures

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

Keep away from all sources of ignition.  
Use personal protective clothing.

### 6.2 Environmental precautions

not applicable

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

Take up mechanically.  
Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth).  
Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See Chapter 8+13

## 7 Handling and storage

### 7.1 Precautions for safe handling

Handle with care - avoid shock, friction and impact.  
Keep away from all sources of ignition - Refrain from smoking.

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

Prevent penetration into the ground.  
Do not store together with oxidizing agents.  
Keep in a cool place.  
Do not keep at temperatures above 25 °C.  
Protect from heat/overheating.  
Protect from sun.

### 7.3 Specific end use(s)

See product use, Chapter 1.2

## 8 Exposure controls / personal protection

### 8.1 Control parameters

Ingredients with occupational  
exposure limits to be monitored (GB)

Range [%]	Substance / WEL: Workplace exposure limit
30 - <50	Silicon dioxide, quartz / - ppm, 0,3 mg/m <sup>3</sup> , respirable crystalline, 14/3,37,38,51/2,76
1 - <12,5	Styrene / 100 ppm, 430 mg/m <sup>3</sup> , -
0,1 - <1	Dibenzoyl peroxide / - ppm, 5 mg/m <sup>3</sup> , -

### 8.2 Exposure controls

**Additional advice on system design** Ensure adequate ventilation on workstation.

**Eye protection** Safety glasses.

**Hand protection** The details concerned are recommendations. Please contact the glove supplier for further information.  
In full contact  
butyl rubber, > 120 min (EN 374)

**Skin protection** Light protective clothing.

**Other** Avoid contact with eyes and skin.  
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Do not eat, drink, smoke or take drugs at work.  
Wash hands before breaks and after work.  
Use barrier skin cream.

**Respiratory protection** Breathing apparatus in the event of high concentrations.  
Short term: filter apparatus, filter A.

**Thermal hazards** not applicable

**Delimitation and monitoring of the environmental exposition** See Chapter 6+7.

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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	capsule
Color	not applicable
Odor	not applicable
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	33 (resin)
Flammability [°C]	not determined
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	not applicable
Vapour pressure [kPa]	not determined
Density [g/ml]	not applicable
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	390 - 490 mPas (resin)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature	not determined

### 9.2 Other information

none

## 10 Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

Polymerisation with evolution of heat.

### 10.4 Conditions to avoid

See chapter 7.2.  
Strong heating.

### 10.5 Incompatible materials

Decomposition with water, acids and alkalies.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
0,1 - <1	Dibenzoyl peroxide, CAS: 94-36-0
	LC50, inhalative, Rat: > 24,3 mg/l 4 h.
	LD50, oral, Rat: 7710 mg/kg (HSDB).
1 - <12,5	Styrene, CAS: 100-42-5
	LC50, inhalative, Rat: 12 mg/l (4h).
	LD50, oral, Rat: 2650 mg/kg.

<b>Serious eye damage/irritation</b>	not determined
<b>Skin corrosion/irritation</b>	not determined
<b>Respiratory or skin sensitisation</b>	not determined
<b>Specific target organ toxicity — single exposure</b>	not determined
<b>Specific target organ toxicity — repeated exposure</b>	not determined
<b>Mutagenicity</b>	not determined
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	not determined
<b>General remarks</b>	

The product was classified on the basis of the calculation procedure of the preparation directive.

## 12 Ecological information

### 12.1 Toxicity

Range [%]	Substance
0,1 - <1	Dibenzoyl peroxide, CAS: 94-36-0
	Bacteria: EC10: 2,2 mg/l/30min.
1 - <12,5	Styrene, CAS: 100-42-5
	LC50, (96h), fish: 32 mg/l.
	EC50, (48h), Daphnia magna: 4,7 mg/l.
	IC50, (96h), Algae: 0,72 mg/l.

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not applicable
<b>Biological degradability</b>	not applicable

### 12.3 Bioaccumulative potential

No informations available.

### 12.4 Mobility in soil

No informations available.

### 12.5 Results of PBT and vPvB assessment

No informations available.

### 12.6 Other adverse effects

Ecological data are not available.

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### 13 Disposal considerations

#### 13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

**Product**

Dispose of as hazardous waste.

**Waste no. (recommended)**

080411\*

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150110\*

### 14 Transport information

#### 14.1 UN number

See point 14.2 in accordance with UN shipping name

#### 14.2 UN proper shipping name

**Classification according to ADR**

NO DANGEROUS GOODS, ACCORDING ADR 2.2.3.1.5 TO MAX. 450 L

**Classification according to IMDG**

NO DANGEROUS GOODS, ACCORDING IMDG 2.3.2.5 TO MAX. 30 L (SEE 5.4.1.5.10) -  
"TRANSPORT IN COMPLIANCE WITH 2.3.2.5 OF THE IMDG CODE"

**Classification according to IATA**

UN 1866 Resin solution 3 III

**- Label**



#### 14.3 Transport hazard class(es)

See point 14.2 in accordance with UN shipping name

#### 14.4 Packing group

See point 14.2 in accordance with UN shipping name

#### 14.5 Environmental hazards

See point 14.2 in accordance with UN shipping name

#### 14.6 Special precautions for user

Relevant information under points 6 to 8.

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

No informations available.

### 15 Regulatory information

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

**EEC-REGULATIONS**

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach);  
1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

**TRANSPORT-REGULATIONS**

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

**NATIONAL REGULATIONS (GB):**

EH40/2005 Workplace exposure limits with amendments October 2007.  
CHIP 3/ CHIP 4

#### 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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#### 16 Other informations

**R-phrases (Chapter 03)**

R 10: Flammable.  
R 20: Harmful by inhalation.  
R 36/38: Irritating to eyes and skin.  
R 3: Extreme risk of explosion by shock, friction, fire or other sources of ignition.  
R 7: May cause fire.  
R 36: Irritating to eyes.  
R 43: May cause sensitisation by skin contact.

**Hazard statements (Chapter 03)**

H226 Flammable liquid and vapour.  
H332 Harmful if inhaled.  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H241 Heating may cause a fire or explosion.  
H317 May cause an allergic skin reaction.

**Observe employment restrictions for people** yes

**VOC (1999/13/CE)** not applicable

**Customs Tariff** not determined

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.  
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