



H. A. Springer marine + industrie service GmbH

24145 Kiel

Date printed 11.08.2011, Revision 11.08.2011

Version 01

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

### 1.1 Product identifier

**Epocast-F, Basis mass**

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

#### 1.2.1 Relevant uses

2-Components casting resin, basis resin

#### 1.2.2 Uses advised against

None known.

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

#### Company

H. A. Springer marine + industrie service GmbH

Liebigstraße 21  
24145 Kiel / GERMANY  
Phone: +49 (0) 431-71791-0  
Fax: +49 (0) 431-717 91-95  
Homepage: www.springer-kiel.com  
E-mail: info-springer@springer-kiel.com

#### Address enquiries to

#### Technical information

info-springer@springer-kiel.com

#### Safety Data Sheet

sdb@chemiebuero.de

### 1.4 Emergency phone

+49 (0) 89-19240 (24h) (english)

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 3, H412  
Classification according to conversion table Annex VII 1272/2008/EC

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

R 52/53

### 2.2 Label elements

#### Hazard symbols

none

#### R-phrases

R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases

S 35: This material and its container must be disposed of in a safe way.

#### Special labelling

Contains: Dipentene. May produce an allergic reaction.

### 2.3 Other hazards

none

#### Physico-chemical hazards

No particular hazards known.

#### Human health dangers

Frequent persistent contact with the skin can cause skin irritation.

#### Environmental hazards

Does not contain any PBT or vPvB substances.

#### Other hazards

none



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### 3 Composition / Information on ingredients

#### 3.1 Product-type:

The product in question is a mixture.

Range [%]	Substance
20 -< 40	Quartz (< 10µm)
	CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
	GHS/CLP: STOT RE 2, H373
	EEC: Xn, R 48/20
0,25 -< 1	Dipentene
	CAS: 138-86-3, EINECS/ELINCS: 205-341-0, EU-INDEX: 601-029-00-7
	GHS/CLP: Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410
	EEC: Xi-N, R 10-38-43-50/53

#### 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 immediately.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek for medical treatment.

##### Skin contact

When in contact with the skin, clean 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

Seek medical advice immediately.  
Rinse out mouth and give plenty of water to drink.

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

None known.

#### 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

Carbon dioxide.  
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

Unknown risk of formation of toxic pyrolysis products.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus.  
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

High risk of slipping due to leakage/spillage of product.



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**6.2 Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, 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**

No special measures necessary if used correctly.

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

Keep only in original container.

Keep container tightly closed.  
Keep in a well-ventilated place.

**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
20 -< 40	Quartz (< 10µm) / - ppm, 0,1 mg/m <sup>3</sup> , respirable, crystalline

**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses.
<b>Hand protection</b>	Butyl rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	not applicable
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Wash hands before breaks and after work. Use barrier skin cream.
<b>Respiratory protection</b>	not applicable
<b>Thermal hazards</b>	no
<b>Delimitation and monitoring of the environmental exposition</b>	not determined



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## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	liquid
Color	various
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	350
Flash point [°C]	> 99
Flammability [°C]	450
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure [kPa]	0,1
Density [g/ml]	1,42 (ISO 2811-1) (20°C / 68,0°F)
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	> 100 s 6mm (EN ISO 2431)
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature	not determined

### 9.2 Other information

none

## 10 Stability and reactivity

### 10.1 Reactivity

See chapter 10.3.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

See chapter 7

### 10.5 Incompatible materials

not determined

### 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
20 -< 40	Quartz (< 10µm), CAS: 14808-60-7
	LD50, oral, Rat: 500 mg/kg bw (IUCLID).

<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>	

Toxicological data are not available.  
No classification on the basis of the calculation procedure of the preparation directive.

## 12 Ecological information

### 12.1 Toxicity

### 12.2 Persistence and degradability

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

### 12.3 Bioaccumulative potential

not determined

### 12.4 Mobility in soil

not determined

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Other adverse effects

Ecological data are not available.  
The product was classified on the basis of the calculation procedure of the preparation directive.

## 13 Disposal considerations

### 13.1 Waste treatment methods

Coordinate the waste disposal with the national authorities.

#### Product

Disposal in an incineration plant in accordance with the regulations of the local authorities.  
Dispose of as hazardous waste.

#### Waste no. (recommended)

080409\*

#### Contaminated packaging

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

#### Waste no. (recommended)

150110\*



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## 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

Classification according to IMDG

NOT CLASSIFIED AS "DANGEROUS GOODS"

Classification according to IATA

NOT CLASSIFIED AS "DANGEROUS GOODS"

### 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

not applicable

## 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

not applicable

## 16 Other informations

R-phrases (Chapter 03)

R 48/20: Harmful - danger of serious damage to health by prolonged exposure through inhalation.  
R 10: Flammable.  
R 38: Irritating to skin.  
R 43: May cause sensitisation by skin contact.  
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements (Chapter 03)

H373 May cause damage to organs through prolonged or repeated exposure.  
H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

Observe employment restrictions for people

no

VOC (1999/13/CE)

&lt; 1 %

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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