



Page 1 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

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**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Annex II**

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

**1.1 Product identifier**

**RAPID CEMENT FIXIT 6 5000 G**  
**Art.: 9019723**

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

Sector of use [SU]:

SU 0 - Other

SU 1 - Agriculture, forestry, fishery

SU19 - Building and construction work

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category [PC]:

PC 9b - Fillers, putties, plasters, modelling clay

Process category [PROC]:

PROC10 - Roller application or brushing

PROC19 - Hand-mixing with intimate contact and only PPE available

**Uses advised against:**

No information available at present.

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



BTI Befestigungstechnik GmbH & Co. KG, Salzstr. 51, 74653 Ingelfingen, Germany  
Phone: +49 7940 141 256, Fax: +49 7940 141 9256  
Stefan.Haug@bti.de, www.bti.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

**1.4 Emergency telephone number**

**Emergency information services / official advisory body:**

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**Telephone number of the company in case of emergencies:**

+49 (0) 700 / 24 112 112 (BRC)

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**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) 1272/2008 (CLP)**

<b>Hazard class</b>	<b>Hazard category</b>	<b>Hazard statement</b>
STOT SE	3	H335-May cause respiratory irritation.
Skin Irrit.	2	H315-Causes skin irritation.
Eye Dam.	1	H318-Causes serious eye damage.

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Page 2 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 03.07.2015 / 0009  
 Replaces revision of / Version: 15.01.2014 / 0008  
 Valid from: 03.07.2015  
 PDF print date: 03.07.2015  
 RAPID CEMENT FIXIT 6 5000 G  
 Art.: 9019723

## 2.2 Label elements

### Labeling according to Regulation (EC) 1272/2008 (CLP)



Danger

H335-May cause respiratory irritation. H315-Causes skin irritation. H318-Causes serious eye damage.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.  
 P261-Avoid breathing vapours or spray. P271-Use only outdoors or in a well-ventilated area. P280-Wear protective gloves and eye protection/face protection.  
 P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310-Immediately call a POISON CENTER/doctor.  
 P405-Store locked up.  
 P501-Dispose of contents/container safely.

Portland cement  
 Cement, alumina, chemicals

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

<b>Portland cement</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	266-043-4
<b>CAS</b>	65997-15-1
<b>content %</b>	25-50
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318



Page 3 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

<b>Cement, alumina, chemicals</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	266-045-5
<b>CAS</b>	65997-16-2
<b>content %</b>	1-10
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.  
The substances named in this section are given with their actual, appropriate classification!  
For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Remove person from danger area.  
Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

rinse with Previn(r) rinsing solution for at least 3 minutes, rinse with at least one litre respectively (OH<sup>-</sup> ions are bound and inactivated - adsorption).  
Consult medical specialist.  
Keep Data Sheet available.

#### Ingestion

Rinse the mouth thoroughly with water.  
Give copious water to drink - consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.  
Watering eyes  
reddening of the skin

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

Symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Adapt to the nature and extent of fire.

#### Unsuitable extinguishing media

None known

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



Page 4 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

---

In case of fire the following can develop:

Oxides of carbon

Extinguishment water produces an alkaline reaction.

### **5.3 Advice for firefighters**

Protective respirator with independent air supply.

In case of fire and/or explosion do not breathe fumes.

Dispose of contaminated extinguishment water according to official regulations.

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## **SECTION 6: Accidental release measures**

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

Ensure sufficient supply of air.

Avoid build up of dust.

Avoid inhalation, and contact with eyes or skin.

### **6.2 Environmental precautions**

Prevent from entering drainage system.

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Pick up mechanically and dispose of according to Section 13.

Avoid build up of dust.

### **6.4 Reference to other sections**

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

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## **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### **7.1 Precautions for safe handling**

#### **7.1.1 General recommendations**

Ensure good ventilation.

Avoid build up of dust.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

#### **7.1.2 Notes on general hygiene measures at the workplace**

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Protect against moisture and store closed.

13 Keep away from food, drink and animal feedingstuffs.

### **7.3 Specific end use(s)**

Ⓒ

Page 5 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 03.07.2015 / 0009  
 Replaces revision of / Version: 15.01.2014 / 0008  
 Valid from: 03.07.2015  
 PDF print date: 03.07.2015  
 RAPID CEMENT FIXIT 6 5000 G  
 Art.: 9019723

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Ⓒ	Chemical Name	Portland cement	Content %:25-50
	WEL-TWA: 10 mg/m <sup>3</sup> (total inh. dust), 4 mg/m <sup>3</sup> (res. dust)	WEL-STEL: ---	---
	Monitoring procedures:	---	
	BMGV: ---	Other information: ---	
Ⓒ	Chemical Name	Cement, alumina, chemicals	Content %:1-10
	WEL-TWA: 10 mg/m <sup>3</sup> (total inh. dust), 4 mg/m <sup>3</sup> (res. dust) (portland cement)	WEL-STEL: ---	---
	Monitoring procedures:	---	
	BMGV: ---	Other information: ---	
Ⓒ	Chemical Name	Quartz	Content %:
	WEL-TWA: 0,1 mg/m <sup>3</sup> (silica, respirable, crystalline)	WEL-STEL: ---	---
	Monitoring procedures:	MDHS 101 (Crystalline silica in respirable airborne dust – Direct on-filter analysis by infrared spectroscopy and X-ray diffraction) - - 2005 - EU project BC/CEN/ENTR/000/2002-16 card 52-1 (2004) INSHT MTA/MA-036 (Determination of Quartz in Air – Membrane Filter Method/ Xray Diffraction) - 2000, 2004 NIOSH 7500 (Crystalline Silica, by XRD (filter redeposition)) - - 2003 - EU project BC/CEN/ENTR/000/2002-16 card 52-6 (2004) - NIOSH 7602 (Crystalline Silica, by IR (KBr pellet)) - 2003 - NIOSH 7603 (Quartz in coal mine dust, by IR (redeposition)) - 2003 OSHA ID-142 (Quartz and Cristobalite in Workplace Atmospheres) - - 1996	
	BMGV: ---	Other information: ---	
Ⓒ	Chemical Name	Calcium carbonate	Content %:
	WEL-TWA: 4 mg/m <sup>3</sup> (respirable dust), 10 mg/m <sup>3</sup> (total inhalable dust)	WEL-STEL: ---	---
	Monitoring procedures:	---	
	BMGV: ---	Other information: ---	

Ⓒ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.



Page 6 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 03.07.2015 / 0009  
 Replaces revision of / Version: 15.01.2014 / 0008  
 Valid from: 03.07.2015  
 PDF print date: 03.07.2015  
 RAPID CEMENT FIXIT 6 5000 G  
 Art.: 9019723

Calcium carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m <sup>3</sup>	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m <sup>3</sup>	
Consumer	Human - oral	Short term, systemic effects	DNEL	6,1	mg/kg bw/day	
Consumer	Human - oral	Long term, systemic effects	DNEL	6,1	mg/kg bw/day	
	Environment - sewage treatment plant		PNEC	100	mg/l	

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

If applicable

Face protection (EN 166)

Skin protection - Hand protection:

Protective nitrile gloves (EN 374)

Minimum layer thickness in mm:

0,4

Permeation time (penetration time) in minutes:

> 30

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection:

If OES or MEL is exceeded.



Page 7 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

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Filter P1 (EN 143), code colour white  
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
Not applicable

Additional information on hand protection - No tests have been performed.  
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
Selection of materials derived from glove manufacturer's indications.  
Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid, powder
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not determined
pH-value:	>11
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	n.a.
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	Not determined
Bulk density:	1700 kg/m <sup>3</sup>
Solubility(ies):	Not determined
Water solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	n.a.
Explosive properties:	Not determined
Oxidising properties:	No

### 9.2 Other information



Page 8 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 03.07.2015 / 0009  
 Replaces revision of / Version: 15.01.2014 / 0008  
 Valid from: 03.07.2015  
 PDF print date: 03.07.2015  
 RAPID CEMENT FIXIT 6 5000 G  
 Art.: 9019723

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No decomposition if used as intended.

### 10.4 Conditions to avoid

See also section 7.

Protect from humidity.

### 10.5 Incompatible materials

See also section 7.

Contact with strong acids leads to strong exothermic reaction.

### 10.6 Hazardous decomposition products

No decomposition when used as directed.

## SECTION 11: Toxicological information

Possibly more information on health effects, see Section 2.1 (classification).

### RAPID CEMENT FIXIT 6 5000 G

Art.: 9019723

Toxicity / effect	Endp oint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.



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Page 9 of 18  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revised on / Version: 03.07.2015 / 0009  
 Replaces revision of / Version: 15.01.2014 / 0008  
 Valid from: 03.07.2015  
 PDF print date: 03.07.2015  
 RAPID CEMENT FIXIT 6 5000 G  
 Art.: 9019723

Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification according to calculation procedure.
Other information:						Classification according to calculation procedure.

<b>Portland cement</b>						
<b>Toxicity / effect</b>	<b>Endp oint</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
Skin corrosion/irritation:						Irritant
Serious eye damage/irritation:						Intensively irritant
Serious eye damage/irritation:						Risk of serious damage to eyes.
Respiratory or skin sensitisation:						Low-chromate, Not sensitising
Respiratory or skin sensitisation:						Low-chromate
Specific target organ toxicity - single exposure (STOT-SE):						Irritation of the respiratory tract
Symptoms:						mucous membrane irritation
Specific target organ toxicity - single exposure (STOT-SE), inhalative:						Irritation of the respiratory tract

<b>Quartz</b>						
<b>Toxicity / effect</b>	<b>Endp oint</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
Acute toxicity, by oral route:						Not relevant for classification.
Acute toxicity, by dermal route:						Not relevant for classification.
Acute toxicity, by inhalation:						Not relevant for classification.
Skin corrosion/irritation:						Not relevant for classification.
Serious eye damage/irritation:						Not relevant for classification.
Respiratory or skin sensitisation:						Not sensitising



Page 10 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 03.07.2015 / 0009

Replaces revision of / Version: 15.01.2014 / 0008

Valid from: 03.07.2015

PDF print date: 03.07.2015

RAPID CEMENT FIXIT 6 5000 G

Art.: 9019723

Germ cell mutagenicity:						No indications of such an effect.
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity:						No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):						Not relevant for classification.
Aspiration hazard:						Not relevant for classification.
Symptoms:						respiratory distress, coughing, mucous membrane irritation

<b>Calcium carbonate</b>						
<b>Toxicity / effect</b>	<b>Endp oint</b>	<b>Value</b>	<b>Unit</b>	<b>Organism</b>	<b>Test method</b>	<b>Notes</b>
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4 h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Not sensitizing
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative



©

Page 12 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 03.07.2015 / 0009

Replaces revision of / Version: 15.01.2014 / 0008

Valid from: 03.07.2015

PDF print date: 03.07.2015

RAPID CEMENT FIXIT 6 5000 G

Art.: 9019723

Other information:							According to the recipe, contains no AOX.
--------------------	--	--	--	--	--	--	---

<b>Quartz</b>							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Persistence and degradability:							Not relevant for inorganic substances.
Bioaccumulative potential:							Not to be expected
Mobility in soil:							Low

<b>Calcium carbonate</b>							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>100	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	v/v saturated solution of test material
Toxicity to daphnia:	LC50	48h	>1	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	v/v saturated solution of test material
Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
Toxicity to algae:	NOEC/NOEL	72h	14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
Persistence and degradability:							Not relevant for inorganic substances.
Bioaccumulative potential:							No
Mobility in soil:							n.a.
Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

©

Page 13 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 03.07.2015 / 0009

Replaces revision of / Version: 15.01.2014 / 0008

Valid from: 03.07.2015

PDF print date: 03.07.2015

RAPID CEMENT FIXIT 6 5000 G

Art.: 9019723

Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	NOEC/NOEL	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	NOEC/NOEL	14d	1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	NOEC/NOEL	28d	1000	mg/kg dw		OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)	
Water solubility:			0,0166	g/l		OECD 105 (Water Solubility)	20°C

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



Page 14 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

---

#### **For the substance / mixture / residual amounts**

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

10 13 11 wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10

10 13 14 waste concrete and concrete sludge

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

E.g. dispose at suitable refuse site.

#### **For contaminated packing material**

Pay attention to local and national official regulations.

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### **SECTION 14: Transport information**

#### **General statements**

UN number: n.a.

#### **Transport by road/by rail (ADR/RID)**

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2015): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

#### **Transport by sea (IMDG-code)**

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

#### **Transport by air (IATA)**

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Environmental hazards: Not applicable

#### **Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

#### **Transport in bulk according to Annex II of MARPOL and the IBC Code**

Non-dangerous material according to Transport Regulations.

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### **SECTION 15: Regulatory information**

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

For classification and labelling see Section 2.

Observe restrictions:

Regulation (EC) No 1907/2006, Annex XVII

Portland cement

Cement, alumina, chemicals



Page 15 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

---

Comply with trade association/occupational health regulations.  
Observe youth employment law (German regulation).  
Directive 2010/75/EU (VOC): 0 %

### **15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

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## **SECTION 16: Other information**

Revised sections: 1 - 16  
GISCODE: ZP 1

These details refer to the product as it is delivered.  
Employee instruction/training in handling hazardous materials is required.

### **Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

<b>Classification in accordance with regulation (EC) No. 1272/2008 (CLP)</b>	<b>Evaluation method used</b>
STOT SE 3, H335	Classification according to calculation procedure.
Skin Irrit. 2, H315	Classification according to calculation procedure.
Eye Dam. 1, H318	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

STOT SE — Specific target organ toxicity - single exposure - respiratory tract irritation  
Skin Irrit. — Skin irritation  
Eye Dam. — Serious eye damage

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### **Any abbreviations and acronyms used in this document:**

AC Article Categories  
acc., acc. to according, according to  
ACGIH American Conference of Governmental Industrial Hygienists  
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
AOEL Acceptable Operator Exposure Level  
AOX Adsorbable organic halogen compounds  
approx. approximately  
Art., Art. no. Article number  
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)  
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)



Page 16 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
PDF print date: 03.07.2015  
RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

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BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
BCF Bioconcentration factor  
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)  
BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)  
BMGV Biological monitoring guidance value (EH40, UK)  
BOD Biochemical oxygen demand  
BSEF Bromine Science and Environmental Forum  
bw body weight  
CAS Chemical Abstracts Service  
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids  
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques  
CIPAC Collaborative International Pesticides Analytical Council  
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
CMR carcinogenic, mutagenic, reproductive toxic  
COD Chemical oxygen demand  
CTFA Cosmetic, Toiletry, and Fragrance Association  
DMEL Derived Minimum Effect Level  
DNEL Derived No Effect Level  
DOC Dissolved organic carbon  
DT50 Dwell Time - 50% reduction of start concentration  
DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)  
dw dry weight  
e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
EC European Community  
ECHA European Chemicals Agency  
EEA European Economic Area  
EEC European Economic Community  
EINECS European Inventory of Existing Commercial Chemical Substances  
ELINCS European List of Notified Chemical Substances  
EN European Norms  
EPA United States Environmental Protection Agency (United States of America)  
ERC Environmental Release Categories  
ES Exposure scenario  
etc. et cetera  
EU European Union  
EWC European Waste Catalogue  
Fax. Fax number  
gen. general  
GHS Globally Harmonized System of Classification and Labelling of Chemicals  
GWP Global warming potential  
HET-CAM Hen's Egg Test - Chorionallantoic Membrane  
HGWP Halocarbon Global Warming Potential  
IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC Intermediate Bulk Container  
IBC (Code) International Bulk Chemical (Code)  
IC Inhibitory concentration





Page 17 of 18  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 03.07.2015 / 0009  
Replaces revision of / Version: 15.01.2014 / 0008  
Valid from: 03.07.2015  
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RAPID CEMENT FIXIT 6 5000 G  
Art.: 9019723

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IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
LC lethal concentration  
LC50 lethal concentration 50 percent kill  
LCLo lowest published lethal concentration  
LD Lethal Dose of a chemical  
LD50 Lethal Dose, 50% kill  
LDLo Lethal Dose Low  
LOAEL Lowest Observed Adverse Effect Level  
LOEC Lowest Observed Effect Concentration  
LOEL Lowest Observed Effect Level  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
NIOSH National Institute of Occupational Safety and Health (United States of America)  
NOAEC No Observed Adverse Effective Concentration  
NOAEL No Observed Adverse Effect Level  
NOEC No Observed Effect Concentration  
NOEL No Observed Effect Level  
ODP Ozone Depletion Potential  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PAH polycyclic aromatic hydrocarbon  
PBT persistent, bioaccumulative and toxic  
PC Chemical product category  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

©

Page 18 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 03.07.2015 / 0009

Replaces revision of / Version: 15.01.2014 / 0008

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RAPID CEMENT FIXIT 6 5000 G

Art.: 9019723

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VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

wwt wet weight

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The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.