

**POWER COLOR**



**INTERNATIONAL**

## **EC Safety datasheet**

Pursuant to 1907/2006/EC, Article 31

### **1 Description of product / preparation and the company**

#### **Information about the product**

**Trade name: Power-DeepGround/Silicate**

**Safety datasheet number: RAW5570/2**

**Use of product / preparation** Construction chemistry

#### **Manufacturer / Supplier**

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### **2 Possible hazards**

**Hazard description:** not relevant.

#### **Special hazard information for people and the environment:**

There is no labelling requirement for this product due to the analysis of the latest version of the General Categorisation Guidelines for Products in the EC.

#### **Classification systems:**

The classification corresponds to the current EC lists, but is supplemented with information from expert literature and company information.

### **3 Composition / Information about ingredients**

#### **Chemical properties**

**Description:** Fluid acrylate dispersion

**Hazardous ingredients:** not relevant.

**Additional information:**

The wording of the mentioned hazard information is available in Chapter 16.

#### **4 First aid measures**

**General information:** Remove contaminated clothing immediately

**When inhaled:** not relevant (diluted preparation without volatile substances).

**On skin contact:** Immediately wash off with water and soap and rinse thoroughly  
In general, the product is not a skin irritant.

**On contact with eyes:**

Rinse eyes with open eyelids for several minutes under running water and contact doctor. The water should be temperate if possible (20-30°C).

**On ingestion:**

Rinse mouth with water. Do not vomit. Seek medical attention and show doctor this datasheet.

#### **5 Fire-fighting measures**

**Suitable extinguishing media:** Use extinguishing media appropriate to the surroundings.

**Special protective equipment:** Determine according to surroundings.

#### **6 Measures in the case of accidental release**

**Precautionary measures:**

Wear protective clothing Keep unprotected people at a distance

**Environmental precautions:** Product must not enter sewage system or watercourses.

**Cleaning and absorption methods:**

Collect with absorbent materials (sand, diatomaceous earth, acid binders, universal binders, sawdust).

**Additional information:** Information regarding removal – see Chapter 13.

#### **7 Handling and storage**

**Handling:**

**Measures for safe handling:** No special measures required.

**Prevention of fire and explosions:** No special measures required.

**Storage:**

**Requirements for storage rooms and containers:** Store only in original containers.

**Advice for storage together with other products:** Keep away from foodstuffs.

**Further advice for storage conditions:**

Keep cool and dry in tightly closed containers.  
Protect from frost.

**Storage class:** LKG (according to VCI concept): 12 – Non-flammable fluids

**Classification as per German Health and Safety at Work Regulations (BetrSichV):**

**8 Exposure controls and personal protection****Additional advice on system design:**

No further information, see point 7.

**Ingredients with occupational limits to be observed:**

**Additional information:** The lists valid when published served as a basis.

**Personal protective equipment:****General protection and hygiene measures:**

The normal precautionary measures are to be observed when handling chemicals.

Keep away from foodstuffs, drinks and feed.

Remove soiled, soaked clothing immediately.

Avoid contact with eyes.

Wash hands before taking a break and after completing work.

**Respiratory protection** Not required

**Hand protection:**

Protective gloves

The gloves should be made of an impermeable material and be resistant to the product / substance / preparation.

Observe penetration times, permeation rates and degradation when selecting glove material

**Glove material**

Rubber gloves

The selection of appropriate gloves depends not only on the material, but also on other quality characteristics which may vary from manufacturer to manufacturer. As the product is a mixture of various substances, the durability of glove material cannot be determined in advance and must therefore be checked before use.

**Glove material penetration times**

The exact penetration time is to be obtained from the glove manufacturer and maintained.

**Eye protection:** Protective gloves recommended when decanting.

**Skin protection:** Protective work clothing

**9 Physical and chemical properties****General information**

<b>Form</b>	Fluid
<b>Colour:</b>	According to product description
<b>Odour:</b>	Characteristic
<b>Change of state</b>	

<b>Melting point/melting range:</b>	Not determined.
<b>Boiling point/boiling range:</b>	100°C (DIN)
<b>Flashpoint</b>	Not applicable.
<b>Self-ignition:</b>	The product does not self-ignite.
<b>Danger of explosion:</b>	The product does not explode.
<b>Vapour pressure at 20°C:</b>	23 hPa (DIN 51640)
<b>Density at 20°C:</b>	1.48 g/cm <sup>3</sup> (DIN 51757)
<b>Bulk density:</b>	Not applicable.
<b>Solubility in /miscibility in water:</b>	Completely miscible.
<b>pH value</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Dynamic:</b>	
<b>Kinematic:</b>	
<b>Solvent separation test:</b>	Not applicable.
<b>Solvent concentration:</b>	
<b>Organic solvent:</b>	0,0 %
<b>Water:</b>	65,8 %
<b>Further information:</b>	None.

## 10 Stability and reactivity

### Thermische Zersetzung / zu vermeidende Bedingungen:

Keine Zersetzung bei bestimmungsgemäßer Verwendung.

**Gefährliche Reaktionen** Keine gefährlichen Reaktionen bekannt.

**Dangerous corrosion products:** No dangerous corrosion products known.

## 11 Toxicological information

### Acute toxicity:

### Categorisation-relevant LD/LC50 values:

Components	Type	Value	Species
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<b>Alkaline silicate, modified, fluid</b>			
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Oral	LD50	>2000 mg/kg (rat)
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### Primary irritant effect:

**on skin:** no irritant effect.

**in eyes:** no irritant effect.

**Sensitisation:** No sensitising effect known.

### Additional toxicological information:

There is no labelling requirement for this product due to the analysis of the latest version of the General Categorisation Guidelines for Products in the EC.

## 12 Ecological information

**Information about elimination (persistence and biodegradability):**

**Other information:** The product is not very biodegradable.

**Eco-toxic effects:**

**Aquatic toxicity:**

Type of test	Concentration	effect	Method	Evaluation
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**Alkaline silicate, modified, fluid**

EC50/48h	>100 mg/l (Daphnia magna (large water flea))
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LC50/96h	>100 mg/l (fish)
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**General information:**

Water hazard class 1 (self-categorisation): slightly water hazardous

Product must not enter ground water, water courses or the sewage system.

## 13 Disposal considerations

**Product:**

**Recommendation:**

Must not be disposed of with household waste. Product must not enter sewage system.

**European waste catalogue**

Possible waste key number: The concrete waste key number depends on the origin of the waste.

08 01 16	Fluid slurry type seal coatings which contain paint or lacquer, with the exception of those which fall under 08 01 15
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**Uncleaned packaging:**

**Recommendation:**

Contaminated packaging is to be emptied as much as possible. They can then be reevaluated after the corresponding cleaning.

**Recommended cleaning agent:** Water, with added cleaning agents if appropriate.

## 14 Transport information

**Land transport ADR/RID and GGVS/GGVE (international/national):**

**ADR/RID-GGVS/E class:**

**Sea transport IMDG/GGV sea:**

**IMDG/GGV sea class:**

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA-class:**

**Transport/further information:** No dangerous goods according to the abovementioned ordinances.

## **15 Regulatory information**

### **Labelling in accordance with EC guidelines:**

There is no labelling requirement for this product due to the analysis of the latest version of the "General Categorisation Guidelines for Products in the EC"

The normal precautionary measures are to be observed when handling chemicals.

### **National regulations:**

**(D) GISCODE:** not to be allocated

**Classification as per German Health and Safety at Work Regulations (BetrSichV):**

**Water solubility class:** WGK 1 (self-categorisation): slightly water hazardous

## **16 Other information**

This information is based on our current level of knowledge, but do not represent a guarantee of product properties and cannot serve as the basis of a legal contract.

**Division issuing datasheet:** Product safety department

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