

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-AntiBroke/Silicate

Safety datasheet number: 49PM11737/7

Use of product / preparation

Paint

Silicate paint

Manufacturer / supplier

Maxit Deutschland GmbH

Kupfertorstr. 35

D-79206 Breisach

Tel. +49/7668/711-0

/Power-Color-International GmbH

Königspergerstraße 5

D-93426 Roding

Tel.: +49/9461/402592

Fax.: +49/1803/551852730

Email: Werner. Wissmann @maxit. de

www.power-color-international.com

Emergency information:

Giftnotrufzentrale München (toxic emergency centre in Munich)

Medical clinic at the technical university to the right of the river Isar

Ismaninger Straße 22; 81675 Munich

Telephone: (089) 19240

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 "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:

Silicate paint with alkaline silicate base, mineral filler substances and additives.

Hazardous ingredients: not relevant.

4 First aid measures

General information: Remove contaminated clothing immediately

When inhaled: Get fresh air, seek medical attention in the event of pain

On skin contact:

Immediately wash off with water and soap and rinse thoroughly

Seek medical help in the case of lengthy contact with the skin

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: Do not vomit. Contact doctor immediately.

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

Measures for personal safety: Wear protective clothing.

Environmental precautions: Product must not enter sewage system.

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 when used as instructed.

Keep cool and dry in tightly closed containers.

Prevention of fire and explosions: No special measures required.

Storage:

Requirements for storage rooms and containers:

Store in a cool place.

Store only in original containers.

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

Further advice for storage conditions:

Store in a dry place.

Protect from frost.

Recommended storage temperature: 5-20°C

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:

The product contains no relevant amounts of substances with workplace-related border values which need to be monitored.

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.

Wash hands before taking a break and after completing work.

Keep away from foodstuffs, drinks and feed.

Remove soiled, soaked clothing immediately.

Avoid contact with eyes and skin.

Do not eat and drink whilst working.

Respiratory protection: Not required with good room ventilation.

Hand protection:

Protective gloves

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

Glove material

Rubber gloves

The selection of a suitable glove not only involves the material, but also depends on other quality characteristics which 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 adhered to.

Eye protection: Sealed protective goggles

Skin protection: Protective work clothing

9 Physical and chemical properties

General information	
Form	Fluid
Colour:	According to product description
Odour:	Characteristic
Change of state	
Melting point/melting range:	0°C (DIN ISO 3016)
Boiling point/boiling range:	100°C (DIN)
Flashpoint	Not applicable.
Self-ignition:	The product does not self-ignite.
Danger of explosion:	The product does not explode.
Density at 20°C:	1.48 g/cm ³ (DIN 51757)
Bulk density:	Not applicable.
Solubility in /miscibility in water:	Completely miscible.
pH value at 20°C:	10.0 (DIN 19261)
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent separation test:	Not applicable.
Solvent concentration:	
Organic solvent:	0,0%
Further information	None.

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used as described.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity:

Categorisation-relevant LD/LC50 values:

Components	Type	Value	Species
Alkaline silicate, modified, fluid			
Oral	LD50	>2000 mg/kg	(rat)
hydrous copolymerised dispersion with styrol base and acrylic acid ester.			
Oral	LD50	>5000 mg/kg	(rat)

Primary irritant effect:

in skin: Skin irritation may occur due to dehydration

in eyes: Primary 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

Alkaline silicate, modified, fluid

EC50/48h LC50/96h	>100 mg/l (Daphnia magna (large water flea)) >100 mg/l (fish)
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Hydrous copolymerised dispersion with styrol base and acrylic acid ester.

EC 0 LC50/96h	1000 mg/l (activated sludge) >500 mg/l (Brachydanio)
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Note: The product contains substances which cause extreme cloudiness in water.

General information:

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

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

13 Disposal considerations

Product:

Recommendation:

In accordance with local authority regulations, take to special waste landfill site.

Waste key number:

The allocation of a waste key number in accordance with the German Waste Catalogue Ordinance (AVV) of 10th December is to be arranged in consultation with the regional waste disposal company.

Uncleaned packaging:

Recommendation:

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

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

14 Transport information

Land transport ADR/RID and GGVS/GGVE (cross-border/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 "General Categorisation Guidelines for Products in the EC" The normal precautionary measures are to be observed when handling chemicals. The product does not need to be labelled in accordance with the EC guidelines / GefStoffV.

National regulations:

(D) GISCODE: M-SK01: 1K silicate paints

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

Technical instructions air:

Class	Proportion in %
Water	25 – 50
III	0.1 - 1

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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