

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-SunTherm/Silicate

Safety datasheet number: 49PM11736/15

Use of product / preparation

Construction chemistry

Paint

Manufacturer/supplier:

maxit Deutschland GmbH /
Kupfertorstr. 35
D-79206 Breisach

Power-Color-International GmbH
Königspergerstraße 5
D-93426 Roding
Tel.: +49/9461/402592
Fax.: +49/1803/551852730
www.power-color-international.com

Tel. +49/7668/711-0

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 latest version of the "General Categorisation Guidelines for Products in the EC"

R 52/53 Hazardous to water organisms, can have long-term damaging effects in water.

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:

Drink plenty of water and get fresh air Get immediate medical advice. Do not vomit.

Information for the doctor: none.

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:

The product must not be allowed to enter the sewage system, watercourses or the soil.

Cleaning and absorption methods:

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

Additional information: Information regarding disposal – see chapter 13.

7 Handling and storage

Handling:**Measures for safe handling:**

Protect against heat and direct sunlight.

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:

Keep cool and dry in tightly closed containers.

Protect from frost.

Recommended storage temperature: 5-30°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.

Remove soiled, soaked clothing immediately.

Avoid contact with eyes and skin.

Wash hands before taking a break and after completing work.

Do not eat and drink whilst working.

Keep away from foodstuffs, drinks and feed.

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 / preparation.

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

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 maintained.

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
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 at 20°C:	1000 mPas (DIN 53019)
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
1317-65-3 Calcium carbonate, natural			
Oral	LD50	>5000 mg/kg (rat)	
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: Causes eye irritation 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	
LC50/96h	100 mg/l (Daphnia magna (large water flea))
	>100 mg/l (fish)
hydrous copolymerised dispersion with styrol base and acrylic acid ester.	
	mg/l (activated sludge)
	500 mg/l (Brachydanio)
Note: The product contains substances which cause local pH changes and can therefore have a damaging effect on fish and bacteria. The product contains substances which cause extreme cloudiness in water. Note: The product causes a significant pH change Neutralise before adding. 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.	
European waste catalogue	
Possible waste key number:The concrete waste key number depends on the origin of the waste.	
08 01 20	Fluid suspensions which contain paint or lacquer, with the exception of those which fall under 08 01 19
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:

The product is categorised and identified in accordance with EU guidelines / GefStoffV.
The normal precautionary measures are to be observed when handling chemicals.

R-batches:

52/53 Hazardous to water organisms, can have long-term damaging effects in water.

National regulations:

The product must be labelled in accordance with the latest version of the Ordinance on Hazardous Substances (Gefahrstoffverordnung)

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

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

Water hazard 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

Maxit Deutschland GmbH

Product safety department

Contact: Mr. Wissmann Tel. ++49 2363/399-210

Data alters compared with previous version.

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