

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/CoolRoof -A- & -B-

Safety datasheet number: 49PM11730/3

Use of product / preparation

Silicone resin

Paint

Power-Color-International GmbH
Königspergerstraße 5
D-93426 Roding
Tel.: +49/9461/402592
Fax.: +49/1803/551852730
www.pc-int.de

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 applicable.

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: Acrylic-Dispersion resin paint, mineral filler materials and additives

Hazardous ingredients:

Acrylic-Dispersion resin, emulsion in water	
---	--

4 First aid measures

General information: Remove contaminated clothing immediately

On inhalation: Get plenty of fresh air and seek precautionary medical advice

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 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.

Further information

Fire effluents and contaminated extinguishing water must be disposed of in accordance with regulatory guidelines.

Contaminated extinguishing water is to be collected separately and should not enter the sewage system.

6 Measures in the case of accidental release

Measures for personal safety: Wear protective clothing.

Environmental precautions:

Product must not enter sewage system.

Notify the responsible authorities if the product enters the watercourses or sewage system.

Cleaning and absorption methods:

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

Carefully dispose of the collected product.

Additional information: Information regarding removal – see chapter 13.

7 Handling and storage

Handling:

Measures for safe handling: 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 only in unopened original containers.

Store in a cool place.

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

Further advice for storage conditions:

Protect from frost.

Keep cool and dry in tightly closed containers.

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 monitored:

CAS no.	Description of substance	%	Type	Value	Unit
---------	--------------------------	---	------	-------	------

Acrylic-Dispersion resin, emulsion in water					
---	--	--	--	--	--

MAK	Short-term value: 1900 mg/m ³ , 1000 ml/m ³				
-----	---	--	--	--	--

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.

Avoid contact with eyes and skin.

Do not eat and drink whilst working.

Remove soiled, soaked clothing immediately.

Wash hands before work intervals and after work.

Use a moisturising hand cream after working with the product.

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 adhered to.

Eye protection: Protective glasses

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.
Vapour pressure at 20°C:	23 hPa (DIN 51640)
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:	9.0 (DIN 19261)
Viscosity:	
Dynamic at 20°C:	1500 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)	

hydrous copolymerised dispersion with styrol base and acrylic acid ester.

Oral	LD50	>5000 mg/kg (rat)
------	------	-------------------

Primary irritant effect:

in 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
--------------	----------------------	--------	------------

hydrous copolymerised dispersion with styrol base and acrylic acid ester.

EC 0	1000 mg/l (activated sludge)
LC50/96h	>500 mg/l (Brachydanio)

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.

European waste catalogue

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

08 01 12	Paint and lacquer waste, with the exception of waste which is categorised under 08 01 11
----------	--

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 regulations.**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.

National regulations:

(D) GISCODE: M-SF01: Acrylic-Dispersion resin paint, can be diluted

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

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

Other regulations, restrictions and prohibition regulations

BG datasheet:

M 042: Skin protection

M 050: Handling substances which have a health hazard

M 053: General work protection measures for handling hazardous materials

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

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

Date 14.01.2009