

SAFETY DATA SHEET

Sikafloor® -21 PurCem® TH (C)



Version 1.0

MSDS Number: 100000008656

Revision Date: 2015/07/29

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikafloor® -21 PurCem® TH (C)
Product code : 100000008656
Type of product : Powder

Recommended use of the chemical and restrictions on use

Product use : Floor levelling compound.

Manufacturer or supplier's details

Company : Sika (Thailand) Limited
700/37 Moo 5 Amata Nakorn Estate
Bangna-Trad Rd. Km.57
Tambol KlongTamhru
Maung District, Chonburi 20000,
Thailand
Telephone : +66 3810 9500
Telefax : +66 3821 4286
E-mail address : Sikathai@th.sika.com

2. HAZARDOUS IDENTIFICATION

GHS Classification

Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 1
Skin sensitisation : Category 1
Specific target organ toxicity- single exposure : Category 3 (Respiratory system)

GHS Label element

Hazard pictogram



Signal word : Danger

Hazard statement : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

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Precautionary statement : **Prevention:**
P261 Avoid breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous Ingredients

Chemical Name	CAS-No.	Concentration (%)
Quartz (SiO ₂)	14808-60-7	65 - 70
Cement, Portland, chemicals	65997-15-1	30 - 35
Calcium Carbonate	1317-65-3	20 - 60
Pigment	Mixture	20 - 60

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4. FIRST AID MEASURES

- If inhaled : In case of overexposure, evacuate to fresh air. Consult physician if necessary.
- In case of skin contact : Clean with soap and plenty water. Consult physician if irritation persists.
- In case of eye contact : Wash immediately with water. If irritation persists, seek medical attention.
- If swallowed : Drink plenty of water. Do not induce vomiting. See a physician. Do not give anything by mouth to an unconscious person.
- Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Will not burn, may be use to extinguish fires.
- Specific extinguishing methods: Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL MEASURES

- Environmental precaution : Do not allow to enter drains or waterways. Do not discharge into subsoil/soil.
- Personnel precaution : Use personal protective equipment.
- Methods and material for containment and clean up : Try to recycle the product if not contaminated. Protect yourself from the dust. Pick-up the spill with vacuum in order to reduce inhalation.

7. HANDLING AND STORAGE

- Handling : For personal protection see section 8.
Ensure adequate ventilation.
- Conditions for safe storage : Keep all container closed in a cool dry area. Protect from humidity.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substance with occupational limit values.

Components	CAS No.	Value type Form of exposure)	Control parameter/ Permissible concentration	Basis
Quartz (SiO ₂)	14808-60-7	TWA (total dust)	30 mg/m ³ /%SiO ₂ +2	TH OEL
		TWA (respirable dust)	10 mg/m ³ /%SiO ₂ +2	TH OEL
		TWA (respirable dust)	250 mppcf /%SiO ₂ +2	TH OEL
Further information : Mppcf is million particles per 1 cubic foot				
		TWA (respirable fraction)	0.025 mg/m ³	ACGIH
		TWA (respirable fraction)	0.025 mg/m ³ (sílica)	ACGIH
Cement, Portland, chemicals	65997-15-1	TWA (dust)	50 mppcf	TH OEL
		TWA (respirable fraction)	1 mg/m ³	ACGIH

Personal protective equipment

- Engineering control : Sufficient ventilation required to control the quantity of dust.
- Respiratory protection : NIOSH approved mask for dust when the permissible exposure limit might be exceeded.
- Hand protection : Ordinary; avoid direct skin contact with cement.
- Eye protection : Safety glasses.
- Skin and body protection : Ordinary.
- Hygiene measure : Do not eat, drink, smoke or drug taking in work place.
Wash hands before break or after work.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Powder.
Odour	: Odourless
Chemical Type	: Mixture
pH	: Not applicable
Initial Boiling point And Boiling Range	: No data available
Melting /Freezing point	: No data available
Flash point	: Not applicable
Vapour density	: Heavier than air
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: No data available
Density	: ca. 2.8 kg/m ³
Solubility in water	: Insoluble
n-octanol/water partition coefficient (log Pow)	: No data available
Dynamic viscosity	: No data available
Kinematic viscosity	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Volatile organic compound (VOC) content	: No data available

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10. STABILITY AND REACTIVITY

- Hazardous Polymerization : No hazardous reaction known under condition of normal use.
- Condition to avoid : No data available.
- Incompatible material : With water.
- Hazardous decomposition products : Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Health Hazard (Acute and Chronic)

Excessive inhalation of dust may result in respiratory disease, including silicosis, heumoconiosis and pulmonary fibrosis. Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblaster. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. Be sure to maintain current physicals.

Cancer Status

The International Agency for Research on Cancer determined that quartz inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group1 – carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibers (Published in June 1997) in conjunction with the use of materials. The National Toxicology Program classifies respirable quartz as “reasonably anticipated to be a carcinogen”.

Sign and Symptoms of Exposure

Prolonged exposure to respirable silica may cause diminished lung capacity with shortness of breath during physical exertion and cause under breathlessness, wheezing, cough and sputum production.

Medical Condition Generally Aggravated by Exposure

Individuals with pulmonary or respiratory disease such as asthma, bronchitis and emphysema should avoid prolonged exposure of silica dust. Pulmonary function may be reduced by inhalation of respirable quartz. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and disease and which increases may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Biodegradation

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available.

13. DISPOSAL CONSIDERATION

Material Disposal : In accordance with local authority regulations, Haden with water and disposed like domestic garbage.

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must inform about possible hazards.

14. TRANSPORT INFORMATION

International Regulation

ADR

Not dangerous goods

UNRTDG

Not dangerous goods

IATA-DGR

Not dangerous goods

IMDG-Code

Not dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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15. REGULATORY INFORMATION

Safety, health and environmental regulation/legislation specific for the substance or mixture

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	: Not applicable
Hazardous Substance Act B.E. 2535	: Not listed
Emergency Decree on Controlling the Use of Volatile Substance B.E. 2533	: Not applicable
Notification of Ministry of Interior on Working Safety Relating to Hazardous Chemical B.E. 2534	: Cement, Portland, chemicals Limestone.

16. OTHER INFORMATION

Date format : yyyy/mm/dd

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.