



Material Safety Data Sheet											
KER 200											

Identification

Product name: KER 200

Description:

Sanded polymer-modified Portland cement tile grout

Transportation of Dangerous Goods

Not regulated

Physical data

Appearance: Powder - various colors

Odor: Odorless

pH (paste): Approx. 12

Melting or freezing point: N/Ap

Boiling point: N/Ap

Vapor pressure (mm Hg) N/Ap

Vapor density (air=1): N/Ap

Solubility in water: Soluble

Specific gravity (water=1): N/Av

Evaporation rate: N/Ap

Fire and explosion hazard data:

Flammable limits in air, % by volume

Upper: N/Ap

Lower: N/Ap

Flash point (test method): N/Ap

Extinguishing media: None required

Component information

(see Glossary at end of MSDS for definitions)

Component, wt. %

(CAS number)

Silica Crystalline, Quartz ; 40 - 70 %
(14808-60-7)

Portland Cement ; 30 - 60 % (65997-15-1)

Exposure levels

ACGIH 1997 TLV

TWA; STEL (15)

0.1 mg/m³

10 mg/m³

Special fire-fighting procedures:

N/Ap

Unusual fire and explosion hazards:

None

Reactivity data

Stability: Stable

Hazardous polymerization:

Will not occur.

Materials to avoid:

Contact with powerful oxidizing agent may cause fire.

Hazardous combustion or decomposition products:

Silica will dissolve in hydrofluoric acid and produce a corrosive gas silicon tetrafluoride.

Health data

Acute effects

Ingestion (swallowing):

Data not available but no effects are suspected under normal professional use. However, ingestion can cause irritation of throat.

Inhalation (breathing):

Respirable crystalline silica (quartz) can cause silicosis, a fibrosis of the lungs. Inhalation of dust may cause irritation of nose, throat and respiratory passages.

Skin contact: Irritant and corrosive to the skin.

Eye contact: Product mixed with water is very corrosive to eyes.

Mechanical action of the powder could also be irritant to eyes.

Chronic effects

The adverse health effects - silicosis, cancer, scleroderma, tuberculosis and nephrotoxicity - are chronic effects.

Product name: KER 200

Carcinogenicity: Yes (International Agency for Research on Cancer)
Reproduction: N/Av
Teratogenicity: N/Av
Mutagenicity: N/Av
Synergicity products: Smoking

Emergency and first aid procedures

Ingestion (swallowing):

Do not induce vomiting. Contact a physician or a poison control center immediately.

Inhalation (breathing):

Move victim to fresh air. If not breathing, trained personnel should administer artificial respiration. Get immediate medical attention.

Skin contact:

Immediately wash skin with soap and water. Remove contaminated clothing. Contact a physician if irritation persists.

Eye contact:

Flush eyes with water for at least 15 minutes while holding eyelids open. Contact a physician.

Preventive measures

Spill or leak procedures

Steps to be taken if material is released or spilled:

Use dustless methods (vacuum) and place into closable container for disposal. Do not dry, sweep. Wear protective equipment specified.

Waste disposal method:

Dispose in accordance to local environmental regulation.

Special protection information

Respiratory protection:

Wear an approved dust mask when the TLV is exceeded and/or when the product is mixed with liquid.

Ventilation: The ventilation has to be sufficient enough to respect the TLV.

Protective gloves:

Impervious / neoprene gloves

Eye protection:

Safety glasses

Other protective equipment:

Apron is strongly recommended.

Special precautions

Precautions to be taken in handling and storing:

Do not breathe dust. Use adequate ventilation and dust collection. Keep airborne dust concentration below TLV. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery or equipment. Wash or vacuum clothing if dusty.

WHMIS Classification:

D2A: Very toxic material causing other effects than acute and immediate.

E: Corrosive

Preparation information

Prepared / revised by: Maria Teresa Neumann L.
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Glossary

ACGIH	- American Conference of Government Industrial Hygienist	TLV	- Threshold limit value
CAS	- Chemical Abstract Service	TWA	- 8 - hour time weighted average
OSHA	- Occupational Safety and Health Administration (USA)	STEL	- Short-term exposure level: 15 min TWA
		N/Av	- Not applicable
		N/Av	- Not available

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