

**Safety Data Sheet**  
**PLANILEVEL 500**

Safety Data Sheet dated: 10/28/2022 - version 1  
Date of first edition: 10/28/2022



**1. IDENTIFICATION**

**Product identifier**

Mixture identification:

Trade name: PLANILEVEL 500

Trade code: 9074945

**Recommended use of the chemical and restrictions on use**

Recommended use: Cement based levelling mortar

Restrictions on use: Not available

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party**

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:**

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

**2. HAZARD(S) IDENTIFICATION**



**Classification of the chemical**

Skin irritation, Category 2

Causes skin irritation.

Serious eye damage, Category 1

Causes serious eye damage.

Skin Sensitization, Category 1

May cause an allergic skin reaction.

Carcinogenicity, Category 1A

May cause cancer if inhaled.

Specific target organ toxicity following repeated exposure, Category 1

Causes damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

**Label elements**

**Hazard pictograms and Signal Word**



Danger

**Hazard statements**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H350 May cause cancer if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

**Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

|                |  |
|----------------|--|
| 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.   |
| P310           | Immediately call a doctor.   |
| P321           | Specific treatment (see supplementary instructions on this label).   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container in accordance with applicable regulations.   |

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**

Not Relevant

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

| Concentration (w/w) | Name   | Ident. Numb.                   | Classification   | Registration Number |
|---------------------|--|--------------------------------|--|---------------------|
| 25-50 %             | silica sand; quartz                          | CAS:14808-60-7<br>EC:238-878-4 | STOT RE 1, H372; Carc. 1A, H350  |                     |
| 2.5-5 %             | portland cement; cement, portland, chemicals | CAS:65997-15-1<br>EC:266-043-4 | STOT SE 3, H335; Eye Dam. 1, H318; Skin Sens. 1, H317; Skin Corr. 1A, H314 |                     |

**4. FIRST AID MEASURES**

**Description of first aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Obtain medical attention if skin related symptoms persist.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

- Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

- If breathing is irregular or stopped, administer artificial respiration.
- In case of inhalation, consult a doctor immediately and show him packing or label.

**Most important symptoms/effects, acute and delayed**

- Eye irritation
- Eye damages
- Skin Irritation
- Erythema

**Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

Suitable extinguishing media:

Water.  
Carbon dioxide (CO2).

**Unsuitable extinguishing media:**

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products: Not available  
Explosive properties: Not available  
Oxidizing properties: Not available

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
Provide adequate ventilation.  
Use appropriate respiratory protection.  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Limit leakages with earth or sand.

**Methods and material for containment and cleaning up**

Take up mechanically and dispose of according to local/state/federal regulations  
Scoop into containers and seal for disposal.  
Retain contaminated washing water and dispose it.

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**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Exercise the greatest care when handling or opening the container.  
Use localized ventilation system.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**List of components with OEL value**

|   | <b>OEL<br/>Type</b> | <b>Country</b> | <b>Long<br/>Term<br/>mg/m3</b> | <b>Long<br/>Term<br/>ppm</b> | <b>Short<br/>Term<br/>mg/m3</b> | <b>Short<br/>Term<br/>ppm</b> | <b>Note</b>   |
|---|---------------------|----------------|--------------------------------|------------------------------|---------------------------------|-------------------------------|---|
| silica sand; quartz<br>CAS: 14808-60-7                                  | ACGIH               |                | 0.025                          |                              |                                 |                               | A2 - Suspected Human<br>Carcinogen;lung<br>cancer;pulmonary fibrosis; |
|   | MAK                 | AUSTRIA        | 0.15                           |                              |                                 |                               |   |
|   | MAK                 | SWITZERLAND    | 0.15                           |                              |                                 |                               |   |
| portland cement; cement, OSHA<br>portland, chemicals<br>CAS: 65997-15-1 |                     |                | 15                             |                              |                                 |                               |   |

ACGIH 1

A4 - Not Classifiable as a Human Carcinogen; pulmonary function; respiratory symptoms; asthma;

MAK AUSTRIA 5

MAK SWITZERLAND 5

Appropriate engineering controls: Not available

#### Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

Use adequate protective respiratory equipment.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Solid

Appearance and colour: Powder Grey

Odour: cement like

Odour threshold: No data available

pH: No data available

pH (water dispersion, 10%): 10.00

Melting point / freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: Not Applicable

Evaporation rate: No data available

Upper/lower flammability or explosive limits: No data available

Vapour density: No data available

Vapour pressure: No data available

Relative density: 2.00 g/cm<sup>3</sup>

Solubility in water: No data available

Solubility in oil: No data available

Partition coefficient (n-octanol/water): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Solid/gas flammability: No data available

### Other information

Substance Groups relevant properties No data available

Miscibility: No data available

Fat Solubility: No data available

Conductivity: No data available

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## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions

### Chemical stability

Data not available.

**Possibility of hazardous reactions**

None.

**Conditions to avoid**

Stable under normal conditions.

**Incompatible materials**

None in particular.

**Hazardous decomposition products**

None.

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Toxicological information of the product:**

|                                      |   |
|--------------------------------------|---|
| a) acute toxicity                    | Not classified  |
|                                      | Based on available data, the classification criteria are not met  |
| b) skin corrosion/irritation         | The product is classified: Skin irritation, Category 2(H315)  |
| c) serious eye damage/irritation     | The product is classified: Serious eye damage, Category 1(H318)   |
| d) respiratory or skin sensitisation | The product is classified: Skin Sensitization, Category 1(H317)   |
| e) germ cell mutagenicity            | Not classified  |
|                                      | Based on available data, the classification criteria are not met  |
| f) carcinogenicity                   | The product is classified: Carcinogenicity, Category 1A(H350)   |
| g) reproductive toxicity             | Not classified  |
|                                      | Based on available data, the classification criteria are not met  |
| h) STOT-single exposure              | Not classified  |
|                                      | Based on available data, the classification criteria are not met  |
| i) STOT-repeated exposure            | The product is classified: Specific target organ toxicity following repeated exposure, Category 1(H372) |
| j) aspiration hazard                 | Not classified  |
|                                      | Based on available data, the classification criteria are not met  |

**Toxicological information of the main substances found in the product:**

silica sand; quartz      a) acute toxicity      LD50 Oral Rat = 500 mg/kg

**Substance(s) listed on the IARC Monographs:**

silica sand; quartz      Group 1

**Substance(s) listed as OSHA Carcinogen(s):**

silica sand; quartz

**Substance(s) listed as NIOSH Carcinogen(s):**

silica sand; quartz

**Substance(s) listed on the NTP report on Carcinogens:**

silica sand; quartz

**12. ECOLOGICAL INFORMATION****Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards

Based on available data, the classification criteria are not met

**List of components with eco-toxicological properties**

| Component           | Ident. Numb.                        | Ecotox Infos   |
|---------------------|-------------------------------------|--|
| silica sand; quartz | CAS: 14808-60-7 - EINECS: 238-878-4 | a) Aquatic acute toxicity : LC50 carp > 10000 mg/L 72h |

**Persistence and degradability**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

**Other adverse effects**

Not available

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**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**UN number**

DOT-UN Number: Not Applicable

ADR-UN number: Not Applicable

IATA-Un number: Not Applicable

IMDG-Un number: Not Applicable

**UN proper shipping name**

DOT-Proper Shipping Name: Not Applicable

ADR-Shipping Name: Not Applicable

IATA-Technical name: Not Applicable

IMDG-Technical name: Not Applicable

**Transport hazard class(es)**

DOT-Hazard Class: Not Applicable

ADR-Class: Not Applicable

IATA-Class: Not Applicable

IMDG-Class: Not Applicable

**Packing group**

DOT-Packing group: Not Applicable

ADR-Packing Group: Not Applicable

IATA-Packing group: Not Applicable

IMDG-Packing group: Not Applicable

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: Not Applicable

DOT-RQ: Not Applicable

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

**Special precautions**

Department of Transportation (DOT):

Not Applicable  
Road and Rail ( ADR-RID ) :  
Not Applicable  
Air ( IATA ) :  
Not Applicable  
Sea ( IMDG ) :  
Not Applicable

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

silica sand; quartz is listed in TSCA Section 8b  
portland cement; cement, is listed in TSCA Section 8b  
portland, chemicals

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

No substances listed

##### Section 304 - Hazardous substances:

No substances listed

##### Section 313 - Toxic chemical list:

No substances listed

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:

No substances listed

#### CAA - Clean Air Act

##### CAA listed substances:

No substances listed

#### CWA - Clean Water Act

##### CWA listed substances:

No substances listed

### USA - State specific regulations

#### California Proposition 65

##### Substance(s) listed under California Proposition 65:

silica sand; quartz Listed as carcinogen

#### Massachusetts Right to know

##### Substance(s) listed under Massachusetts Right to know:

silica sand; quartz  
portland cement; cement, portland, chemicals

#### Pennsylvania Right to know

##### Substance(s) listed under Pennsylvania Right to know:

silica sand; quartz  
portland cement; cement, portland, chemicals

#### New Jersey Right to know

##### Substance(s) listed under New Jersey Right to know:

silica sand; quartz  
portland cement; cement, portland, chemicals

### Canada - Federal regulations

#### DSL - Domestic Substances List

##### DSL (Domestic Substances List)

All the substances are listed in the DSL.

#### NDSL - Non Domestic Substances List

##### NDSL (Non Domestic Substances List)

No substances listed

**NPRI - National Pollutant Release Inventory**

**NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

**16. OTHER INFORMATION**

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**Additional classification information**

- NFPA Health: 2 = Moderate
- NFPA Flammability: 0 = Not Combustible
- NFPA Reactivity: 0 = Minimal
- NFPA Special Risk: NONE



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This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

| Code | Description   |
|------|---|
| H314 | Causes severe skin burns and eye damage.                        |
| H317 | May cause an allergic skin reaction.                            |
| H318 | Causes serious eye damage.                                      |
| H335 | May cause respiratory irritation.                               |
| H350 | May cause cancer.   |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

| Code    | Hazard class and hazard category | Description  |
|---------|----------------------------------|--|
| A.2/1A  | Skin Corr. 1A                    | Skin corrosion, Category 1A  |
| A.3/1   | Eye Dam. 1                       | Serious eye damage, Category 1   |
| A.4.2/1 | Skin Sens. 1                     | Skin Sensitization, Category 1   |
| A.6/1A  | Carc. 1A                         | Carcinogenicity, Category 1A   |
| A.8/3   | STOT SE 3                        | Specific target organ toxicity following single exposure, Category 3   |
| A.9/1   | STOT RE 1                        | Specific target organ toxicity following repeated exposure, Category 1 |

**Legend to abbreviations and acronyms used in the safety data sheet:**

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
- IMDG: International Maritime Code for Dangerous Goods.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- CLP: Classification, Labeling, Packaging.
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- INCI: International Nomenclature of Cosmetic Ingredients.
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- LC50: Lethal concentration, for 50 percent of test population.
- LD50: Lethal dose, for 50 percent of test population.
- DNEL: Derived No Effect Level.
- PNEC: Predicted No Effect Concentration.
- TLV: Threshold Limiting Value.
- TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
- STEL: Short Term Exposure limit.
- STOT: Specific Target Organ Toxicity.
- WGK: German Water Hazard Class.
- KSt: Explosion coefficient.