

## Safety Data Sheet

### GRANIRAPID POWDER WHITE

Safety Data Sheet dated: 5/23/2016 - version 2

Date of first edition: 5/11/2015

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: GRANIRAPID POWDER WHITE

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

Recommended use: Mortar

Restrictions on use: N.A.

### 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

### Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Skin Corr. 1A | Causes severe skin burns and eye damage.                                   |
| Eye Dam. 1    | Causes serious eye damage.                                                 |
| Skin Sens. 1  | May cause an allergic skin reaction.                                       |
| Carc. 1A      | May cause cancer if inhaled.                                               |
| STOT RE 1     | Causes damage to organs through prolonged or repeated exposure if inhaled. |

### Label elements

#### Hazard pictograms:



Danger

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

| Code   | Description                                                               |
|--------|---------------------------------------------------------------------------|
| P201   | Obtain special instructions before use.                                   |
| P202   | Do not handle until all safety precautions have been read and understood. |
| P260.B | Do not breathe dust.                                                      |
| P264.2 | Wash skin thoroughly after handling.                                      |
| P270   | Do not eat, drink or smoke when using this product.                       |

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P272           | Contaminated work clothing should not be allowed out of the workplace.                                                           |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting.                                                                               |
| P302+P352.A    | IF ON SKIN: Wash with plenty of water.                                                                                           |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| 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.B         | Immediately call a doctor.                                                                                                       |
| P314           | Get medical advice/attention if you feel unwell.                                                                                 |
| P321.A         | Specific treatment (see supplementary instructions on this label).                                                               |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P363           | Wash contaminated clothing before reuse.                                                                                         |
| P405           | Store locked up.                                                                                                                 |
| P501.A         | 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**

N.A.

**Mixtures**

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

**List of components**

| Quantity | Name            | Ident. Numb.   | Classification                                                             |
|----------|-----------------|----------------|----------------------------------------------------------------------------|
| 50-75 %  | Silica Sand     | CAS:14808-60-7 | Carc. 1A, H350; STOT RE 1, H372                                            |
| 5-10 %   | Portland cement | CAS:65997-15-1 | 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 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**

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

### 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: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

### 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.

See protective measures under point 7 and 8.

### Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

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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

Storage temperature: N.A.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### List of components with OEL value

| Component       | OEL Type | Country | Ceiling | Long Term mg/m3 | Long Term ppm | Short Term mg/m3 | Short Term ppm | Behaviour | Note                                                                                         |
|-----------------|----------|---------|---------|-----------------|---------------|------------------|----------------|-----------|----------------------------------------------------------------------------------------------|
| Silica Sand     | ACGIH    |         |         | 0,025           |               |                  |                |           | A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;                              |
| Portland cement | OSHA     |         |         | 15              |               |                  |                |           |                                                                                              |
|                 | OSHA     |         |         | 5               |               |                  |                |           |                                                                                              |
|                 | ACGIH    |         |         | 1               |               |                  |                |           | A4 - Not Classifiable as a Human Carcinogen; pulmonary function;respiratory symptoms;asthma; |

Appropriate engineering controls: N.A.

#### 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:

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

Respiratory protection:

Use adequate protective respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Solid

Appearance and colour: Powder white

Odour: Cement like

Odour threshold: N.A.

pH in water dispersion: 11.50

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: Not Applicable

Evaporation rate: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: N.A.

Relative density: 1.22 g/cm3

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Solid/gas flammability: N.A.

### Other information

Substance Groups relevant properties N.A.

Miscibility: N.A.

Fat Solubility: N.A.

Conductivity: N.A.

## 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.

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

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

**Toxicological information on main components of the mixture:**

Silica Sand                      a) acute toxicity                      LD50 Oral Rat = 500 mg/kg

**If not differently specified, the information required in the regulation and listed below must be considered as N.A.**

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

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

Silica Sand                      Group 1

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

Silica Sand

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

Silica Sand

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

Silica Sand

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

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

Eco-Toxicological Information:

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

| Quantity | Component   | Ident. Numb.    | Ecotox Infos                                               |
|----------|-------------|-----------------|------------------------------------------------------------|
| 50-75 %  | Silica Sand | CAS: 14808-60-7 | LC50 a) Aquatic acute toxicity carp > 10000,00000 mg/L 72h |

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

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**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

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**14. TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

**UN number**

ADR-UN number: N.A.

DOT-UN Number: N.A.

IATA-Un number: N.A.

IMDG-Un number: N.A.

**UN proper shipping name**

ADR-Shipping Name: N.A.

DOT-Proper Shipping Name: N.A.

IATA-Technical name: N.A.

IMDG-Technical name: N.A.

**Transport hazard class(es)**

ADR-Class: N.A.

DOT-Hazard Class: N.A.

IATA-Class: N.A.

IMDG-Class: N.A.

**Packing group**

ADR-Packing Group: N.A.

DOT-Packing group: N.A.

IATA-Packing group: N.A.

IMDG-Packing group: N.A.

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: N.A.

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

N.A.

**Special precautions**

Department of Transportation (DOT):

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

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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     | is listed in TSCA Section 8b |
| Portland cement | is listed in TSCA Section 8b |

## **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 | Listed as carcinogen |
|-------------|----------------------|

### **Massachusetts Right to know**

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

Silica Sand  
Portland cement

### **Pennsylvania Right to know**

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

Silica Sand  
Portland cement

### **New Jersey Right to know**

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

Silica Sand  
Portland cement

## **Canada - Federal regulations**

### **DSL - Domestic Substances List**

#### **DSL Inventory:**

All the substances are listed in the DSL.

### **NDSL - Non Domestic Substances List**

#### **NDSL Inventory:**

no substances listed

### **NPRI - National Pollutant Release Inventory**

#### **Substances listed in NPRI:**

## 16. OTHER INFORMATION

### 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 .

H350.A May cause cancer if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure .

H372.A Causes damage to organs through prolonged or repeated exposure if inhaled.

Safety Data Sheet dated: 5/23/2016 - version 2

Product code: 1120

### Additional classification information



HMIS Health: 2 = Moderate

HMIS Health - Is health hazard chronic? Yes

HMIS Flammability: 0 = Not Combustible

HMIS Reactivity: 0 = Minimal

HMIS P.P.E.: Safety glasses, gloves, dust respirator

NFPA Health: 2 = Moderate

NFPA Flammability: 0 = Not Combustible

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: NONE

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

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.

### 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.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION