

## Safety Data Sheet

### ULTRACOLOR PLUS FA

Safety Data Sheet dated: 02/19/2020 - version 6

Date of first edition: 02/09/2016

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: ULTRACOLOR PLUS FA

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

Recommended use: Ready-mixed cement mortar for ceramic tile joints

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

Carc. 1A May cause cancer if inhaled.

STOT RE 1 Causes damage to organs through prolonged or repeated exposure if inhaled.

### Label elements

#### Pictograms and Signal Words



Danger

### Hazard statements:

H350 May cause cancer if inhaled.

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

### 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.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

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

N.A.

#### Mixtures

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

#### List of components

| Quantity | Name              | Ident. Numb.   | Classification                          | Registration Number |
|----------|-------------------|----------------|---|---------------------|
| 25-50 %  | Silica Sand       | CAS:14808-60-7 | STOT RE 1, H372; Carc. 1A, H350         |                     |
| 2.5-5 %  | Titanium dioxide  | CAS:13463-67-7 | Carc. 2, H351                           |                     |
| 0.49-1 % | Lithium carbonate | CAS:554-13-2   | Acute Tox. 4, H302; Eye Irrit. 2A, H319 |                     |

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### 4. FIRST AID MEASURES

#### Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

Wash immediately with water.

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

N.A.

#### 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).

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### 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.

## 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.

## 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;                 |
| Titanium dioxide | OSHA     |             |         | 15              |               |                  |                |           |   |
|                  | ACGIH    |             |         | 10              |               |                  |                |           | A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation; |
|                  | MAK      | GERMANY     |         | 0,3             |               |                  |                |           |   |
|                  | ACGIH    |             |         | 10              |               |                  |                |           | A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation  |
|                  | MAK      | AUSTRIA     |         | 5               |               | 10               |                |           |   |
|                  | MAK      | SWITZERLAND |         | 3               |               |                  |                |           |   |

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 4,50012,
- Odour: Characteristic
- Odour threshold: N.A.
- pH: N.A.
- 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: N.A.  
Solubility in water: dispersible  
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.

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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.

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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                                       |
| Titanium dioxide  | a) acute toxicity | LD50 Oral Rat > 10000 mg/kg                                     |
| Lithium carbonate | a) acute toxicity | LD50 Oral Rat = 525 mg/kg<br>LC50 Inhalation Rat > 2,17 mg/l 4h |

**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
- Toxicological kinetics, metabolism

and distribution information

i) STOT-repeated exposure

j) aspiration hazard

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

Silica Sand    Group 1  
Titanium dioxide                                      Group 2B

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

Silica Sand  
Titanium dioxide

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

Silica Sand  
Titanium dioxide

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

Silica Sand

**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**

| Component         | Ident. Numb.    | Ecotox Infos  |
|-------------------|-----------------|---|
| Silica Sand       | CAS: 14808-60-7 | a) Aquatic acute toxicity : LC50 carp > 10000,00000 mg/L 72h                      |
| Lithium carbonate | CAS: 554-13-2   | a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 30,3 mg/L 96h<br>ECHA |

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

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

**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

Titanium dioxide is listed in TSCA Section 8b

Lithium carbonate 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:**

Lithium carbonate

**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

Titanium dioxide Listed as carcinogen

Lithium carbonate Listed as reproductive toxicant

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

Silica Sand

Titanium dioxide

Lithium carbonate

**Pennsylvania Right to know**

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

Silica Sand

Titanium dioxide

**New Jersey Right to know**

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

Silica Sand

Titanium dioxide

Lithium carbonate

**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:**

No substances listed

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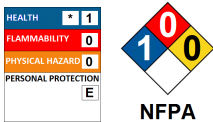
**16. OTHER INFORMATION**

| <b>Code</b> | <b>Description</b>   |
|-------------|--|
| H302        | Harmful if swallowed.  |
| H319        | Causes serious eye irritation.   |
| H350        | May cause cancer.  |
| H350        | May cause cancer if inhaled.   |
| H351        | Suspected of causing cancer.   |
| H372        | Causes damage to organs through prolonged or repeated exposure.            |
| H372        | Causes damage to organs through prolonged or repeated exposure if inhaled. |

Safety Data Sheet dated: 2/19/2020 - version 6

Product code: 906BU0000

**Additional classification information**



HMIS Health: 1 = Slight  
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: 1 = Slight  
NFPA Flammability: 0 = Not Combustible  
NFPA Reactivity: 0 = Minimal  
NFPA Special Risk: N.A.

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
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION