

## Safety Data Sheet

### ULTRACOLOR PLUS FA

Safety Data Sheet dated: 12/07/2023 - version 12

Date of first edition: 02/09/2016



## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: ULTRACOLOR PLUS FA

Trade code: 906BU9990

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

Recommended use: Cementitious grout

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

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.

### Label elements

#### Hazard pictograms and Signal Word



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

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### 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

Qty	Name	Ident. Numb.	Classification	Registration Number
25-50 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350	
2.5-5 %	titanium dioxide; Dioxotitanium	CAS:13463-67-7 EC:236-675-5 Index:022-006-00-2	Carc. 2, H351	
0.1-0.25 %	lithium carbonate; Dilithium carbonate	CAS:554-13-2 EC:209-062-5	Acute Tox. 4, H302; Aquatic Acute 3, H402; Eye Irrit. 2A, H319	01-2119516034-53-XXXX

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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

Not available

#### 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)

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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: Not available

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

#### 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.

**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**

Handle in a well ventilated place.  
 Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Community Occupational Exposure Limits (OEL)**

	<b>OEL Type</b>	<b>Country</b>	<b>Occupational Exposure Limit</b>
silica sand; quartz CAS: 14808-60-7	ACGIH		Long Term: 0.025 mg/m3 A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis;
	ACGIH		Long Term: 0.025 mg/m3 A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis
	MAK	AUSTRIA	Long Term: 0.15 mg/m3
	MAK	SWITZERLAND	Long Term: 0.15 mg/m3
titanium dioxide; Dioxotitanium CAS: 13463-67-7	OSHA		Long Term: 15 mg/m3
	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation;
	MAK	GERMANY	Long Term: 0.3 mg/m3
	ACGIH		Long Term: 10 mg/m3 A4 - Not Classifiable as a Human Carcinogen;lower respiratory tract irritation
	MAK	AUSTRIA	Long Term: 5 mg/m3; Short Term: 10 mg/m3
	MAK	SWITZERLAND	Long Term: 3 mg/m3

**Predicted No Effect Concentration (PNEC) values**

lithium carbonate; Dilithium carbonate  
CAS: 554-13-2 Exposure Route: Fresh Water; PNEC Limit: 9 mg/l

Exposure Route: Freshwater sediments; PNEC Limit: 35.2 mg/l

Exposure Route: Marine water; PNEC Limit: 0.9 mg/l  
Exposure Route: Marine water sediments; PNEC Limit: 3.52 mg/kg  
Exposure Route: Soil; PNEC Limit: 1.76 mg/kg  
Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 122.2 mg/l  
Exposure Route: Intermittent release; PNEC Limit: 0.3 mg/l

#### Derived No Effect Level (DNEL) values

lithium carbonate;  
Dilithium carbonate  
CAS: 554-13-2

Exposure Route: Human Dermal; Exposure Frequency: Short Term, systemic effects  
Worker Industry: 100 mg/kg; Consumer: 19.23 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects  
Worker Industry: 30 mg/m<sup>3</sup>; Consumer: 28.92 mg/m<sup>3</sup>

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 64.3 mg/kg; Consumer: 64.3 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects  
Worker Industry: 10 mg/m<sup>3</sup>; Consumer: 9.64 mg/m<sup>3</sup>

Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects  
Consumer: 6.43 mg/kg

Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects  
Consumer: 19.23 mg/m<sup>3</sup>

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  $\geq 0,5$ mm; breakthrough time  $\geq 480$ min.

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

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

Fluorinated rubber - FKM: thickness  $\geq 0,4$ mm; breakthrough time  $\geq 480$ 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 various

Odour: characteristic

Odour threshold: Not Relevant

pH: Not Relevant

pH (water dispersion, 10%): 9.00

Melting point / freezing point: Not Relevant

Initial boiling point and boiling range: Not Relevant

Flash point: Not Relevant

Evaporation rate: Not Relevant

Upper/lower flammability or explosive limits: Not Relevant

Vapour density: Not Relevant

Vapour pressure: Not Relevant

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

Solubility in water: dispersible

Solubility in oil: Not Relevant

Partition coefficient (n-octanol/water): Not Relevant

Auto-ignition temperature: Not Relevant

Decomposition temperature: Not Relevant

Viscosity: Not Relevant  
Explosive properties: Not Relevant  
Oxidizing properties: Not Relevant  
Solid/gas flammability: Not Relevant

**Other information**

Substance Groups relevant properties Not Relevant  
Miscibility: Not Relevant  
Fat Solubility: Not Relevant  
Conductivity: Not Relevant

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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 Preparation**

- |                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| a) acute toxicity                    | Not classified                                                                                          |
|                                      | Based on available data, the classification criteria are not met                                        |
| b) skin corrosion/irritation         | Not classified                                                                                          |
|                                      | Based on available data, the classification criteria are not met                                        |
| c) serious eye damage/irritation     | Not classified                                                                                          |
|                                      | Based on available data, the classification criteria are not met                                        |
| d) respiratory or skin sensitisation | Not classified                                                                                          |
|                                      | Based on available data, the classification criteria are not met                                        |
| 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 on main components of the mixture:**

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

titanium dioxide;  
Dioxotitanium      a) acute toxicity      LD50 Oral Rat > 10000 mg/kg

lithium carbonate;  
Dilithium carbonate      a) acute toxicity      LD50 Oral Rat 525 mg/kg

NOAEL Oral = 19.23 mg/kg

LC50 Inhalation Rat > 2 mg/l 4h



**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

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

**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: No

**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 ) :

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

All the components are listed on the TSCA inventory

##### TSCA listed substances:

silica sand; quartz is listed in TSCA Section 8b

titanium dioxide; Dioxititanium is listed in TSCA Section 8b

lithium carbonate; Dilithium 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; Dilithium 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; quartz Listed as carcinogen

titanium dioxide; Dioxititanium Listed as carcinogen

lithium carbonate; Dilithium carbonate Listed as reproductive toxicant

#### Massachusetts Right to know

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

silica sand; quartz

titanium dioxide; Dioxititanium

lithium carbonate; Dilithium carbonate

#### Pennsylvania Right to know

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

silica sand; quartz

titanium dioxide; Dioxititanium

#### New Jersey Right to know

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

silica sand; quartz

titanium dioxide; Dioxititanium

lithium carbonate; Dilithium carbonate

### Canada - Federal regulations

#### DSL - Domestic Substances List

All the substances are listed in the DSL.

#### NDSL - Non Domestic Substances List

This product complies with NDSL inventory

#### NPRI - National Pollutant Release Inventory

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



**16. OTHER INFORMATION**

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**Additional classification information**

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.

Code	Description
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life

Code	Hazard class and hazard category	Description
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A
A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.6/2	Carc. 2	Carcinogenicity, Category 2
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1
US-HAE/A3	Aquatic Acute 3	Acute aquatic hazard, category 3

**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:**

- 3. COMPOSITION/INFORMATION ON INGREDIENTS