

Safety Data Sheet

ULTRACOLOR PLUS FA

Safety Data Sheet dated: 10/16/2020 - version 8

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: Cementitious grout

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. |
| Repr. 1B | May damage fertility or the unborn child if inhaled or swallowed. |
| 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. |
| H360 | May damage fertility or the unborn child if inhaled or swallowed. |
| 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:

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; Repr. 1B, H360 | |

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).

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: 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.

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 various

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.

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 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 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 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

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.

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.

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

16. OTHER INFORMATION

| Code | Description |
|-------------|---|
| H302 | Harmful if swallowed. |
| H319 | Causes serious eye irritation. |
| H350 | May cause cancer. |
| H350 | May cause cancer if inhaled. |
| H351 | Suspected of causing cancer. |
| H360 | May damage fertility or the unborn child if inhaled, in contact with skin and if swallowed. |
| H360 | May damage fertility or the unborn child if inhaled or swallowed. |
| 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: 10/16/2020 - version 8

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:

- 2. HAZARDS IDENTIFICATION
- 4. FIRST AID MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION