

## Safety Data Sheet

### ULTRAPLAN ECO

Safety Data Sheet dated: 30/03/2021 - version 1

Date of first edition: 30/03/2021



## 1: Identification

### GHS Product Identifier

Mixture identification:

Trade name: ULTRAPLAN ECO

Trade code: 901495

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

Recommended use: Cement based levelling mortar

Uses advised against: Data not available

### Supplier's details

Company: PT Mapei Indonesia Construction Products

Jl. Meranti Blok L1 no. 6, Delta Silicon 1 Industrial Estate, Lippo Cikarang – Bekasi 17550

Responsible: mapei@mapei.co.id

Phone +62 21 8990 6029 / +62 21 8991 1427 - Fax +62 21 8990 6052

### Emergency phone number

T. +62 21 89906029

## 2: Hazard identification

### Classification of the substance or mixture

Skin Irrit. 3 Causes mild skin irritation.  
Eye Dam. 1 Causes serious eye damage.  
Skin Sens. 1B May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

#### Pictograms and Signal Words



Danger

#### Hazard statements:

H316 Causes mild skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

#### Precautionary statements:

P261 Avoid breathing dust.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.  
P310 Immediately call a POISON CENTER.  
P321 Specific treatment (see supplementary instructions on this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362 Take off contaminated clothing.  
P501 Dispose of contents/container in accordance with applicable regulations.

#### Other hazards which do not result in a classification

No other hazards

Prolonged exposition and/or intensive inhalation of respirable free crystalline silica (average diameter less than 10 micron in accordance with ACGIH) can cause pulmonary fibrosis commonly referred to as silicosis.

This preparation contains cement. Contact between cement and body fluids (e.g. sweat and eye fluids) may cause irritation or burns.

## 3: Composition/information on ingredients

## Substances

N.A.

## Mixtures

### Hazardous components within the meaning of GHS and related classification:

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
≥2.5 - <5 %	Portland cement, Cr(VI) < 2 ppm	CAS:65997-15-1 EC:266-043-4	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Dam. 1, H318; STOT SE 3, H335	

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## 4: First-aid measures

### Description of necessary first-aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Remove contaminated clothing immediately and dispose of safely.

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:

- Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

### Indication of immediate medical attention and special treatment needed, if necessary

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.

### Special hazards arising from the chemical

- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.
- Hazardous combustion products: N.A.
- Explosive properties: ==
- Oxidizing properties: N.A.

### Special protective actions 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.
- Remove persons to safety.

### Environmental precautions

- Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

### 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.
- 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.

## 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
Portland cement, Cr(VI) < 2 ppm	IDN	INDONESIA		10					5 mg/m3 TWA (containing <1% of free Silica, respirable dust); 10 mg/m3 TWA (containing <1% of free Silica, total dust)
	ZAF	SOUTH AFRICA		10					
	ARE	UNITED ARAB EMIRATES		10					A4 - Not Classifiable as a Human Carcinogen; pulmonary function; respiratory symptoms; asthma
	PAN	PANAMA		5.000		30			
	IDN	INDONESIA		10					10 mg/m3 PEL
	MEX	MEXICO		1					
	IND	INDIA		10					
	IDN	INDONESIA		10					
	ZAF	SOUTH AFRICA		5					
	COL	COLOMBIA		1					
	PER	PERU		10					
	ARE	UNITED ARAB EMIRATES		10					
	PAN	PANAMA		10		10			
PAN	PANAMA		5		10				
PAN	PANAMA		10		20				

Appropriate engineering controls: N.A.

### Individual protection measures, such as personal protective equipment (PPE)

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; EN ISO 374:

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  $\geq 480\text{min}$ .

Nitrile gloves are suggested (1,3 mm; 480 min). Not recommended gloves: not waterproof gloves

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

#### Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

A dust mask (P2) should be worn if above exposure limits (EN 149)

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## 9: Physical and chemical properties

Physical state: Solid

Color: Grey

Appearance: Powder

Odour: cement like

Odour threshold: N.A.

pH: 12.00

pH (water dispersion, 10%): 12.00

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Solid/gas flammability: N.A.

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

Vapour pressure: N.A.

Vapour density: N.A.

Relative density: N.A.

Solubility in water: partly soluble

Solubility in oil: insoluble

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

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: 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

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## 11: Toxicological information

### Information on toxicological effects

Contains cement. Cement gives a strong alkaline reaction with water and body fluids (e.g. sweat and eye fluids), therefore the contact with skin and eyes should be carefully avoided.

Toxicological information of the product: No data available

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## 12: Ecological information

### Ecotoxicity

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

No data available

### Persistence and degradability

N.A.

### Bioaccumulative potential

N.A.

## Mobility in soil

N.A.

## Other adverse effects

No Components with environmental hazard properties found.

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## 13: Disposal considerations

### Disposal 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

N.A.

### UN proper shipping name

N.A.

### Transport hazard class(es)

N.A.

### Packing group, if applicable

Road and Rail ( ADR-RID ) :

N.A.

Air ( IATA ) :

N.A.

Sea ( IMDG ) :

N.A.

### Environmental hazards

Marine pollutant: No

Environmental Pollutant: N.A.

### Special precautions for user

N.A.

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

N.A.

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## 15: Regulatory information

### Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Fifth revised edition.

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## 16: Other information

Code	Description
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.

- H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

Insert here further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

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.