

**1. Identification****GHS Product identifier**

Mixture identification:

Trade name: ULTRALITE S2 T FLEX GREY

Trade code: 9011967

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

Recommended use: no data available

Uses advised against: no data available

**Supplier's details**

Company: MAPEI AUSTRALIA Pty Ltd

180 Viking Drive Wacol QLD 4076 Australia

T. +61 7 32765000 (Mon-Fri 8am to 4.30pm)

F. +61 7 32765076

Responsible: sales@mapei.com.au

**Emergency phone number**

Australian Poisons Information Centre 24 Hour Service 13 11 26

Police or Fire Brigade 000

**2. Hazard identification****Classification of the Hazardous chemical**

Skin Irrit. 2 Causes skin irritation.

Eye Dam. 1 Causes serious eye damage.

Skin Sens. 1B May cause an allergic skin reaction.

STOT SE 3 May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

**GHS label elements, including precautionary statements****Pictograms and Signal Words**

Danger

**Hazard statements:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

**Precautionary statements:**

P261 Avoid breathing dust.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

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 and wash before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with applicable regulations.

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

Other Hazards: No other hazards

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### **3. Composition/information on ingredients**

#### **Substances**

no data available

#### **Mixtures**

Mixture identification: ULTRALITE S2 T FLEX GREY

#### **Hazardous components within the meaning of the "Australian Work Health and Safety (WHS)" regulation and related classification:**

<b>Concentration (% w/w)</b>	<b>Name</b>	<b>Ident. Numb.</b>	<b>Classification</b>	<b>Registration Number</b>
≥50 - <75 %	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	
≥10 - <20 %	free crystalline silica (Ø >10 µ)	CAS:14808-60-7 EC:238-878-4		
≥10 - <20 %	Calcium carbonate	CAS:471-34-1 EC:207-439-9		Exempted
≥1 - <2.5 %	Calcium diformate	CAS:544-17-2 EC:208-863-7	Eye Dam. 1, H318	

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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.
- OBTAINT IMMEDIATE MEDICAL ATTENTION.
- 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:

- In case of inhalation, consult a doctor immediately and show him packing or label.

#### **Symptoms caused by exposure**

Eye irritation

Eye damages

Skin Irritation

Erythema

#### **Medical attention and special treatment**

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**

#### **Suitable extinguishing media**

None in particular.

Water.

Carbon dioxide (CO2).

#### **Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: no data available

Explosive properties: no data available

Oxidizing properties: no data available

### 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.

### Environmental precautions

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.

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## 7. Handling and storage

### Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

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

Always keep in a well ventilated place.

Keep away from food, drink and feed.

#### Incompatible materials:

None in particular.

#### Instructions as regards storage premises:

Cool and adequately ventilated.

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## 8. Exposure controls/personal protection

### Control parameters – exposure standards, biological monitoring

#### List of components with OEL value

Component	OEL Type	Country	Ceiling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Behaviour	Note
Portland cement, Cr(VI) < National		FINLAND		1					FINLAND, respirabel fraktion
2 ppm									
	AUS			10.000					10 mg/m <sup>3</sup> PEL
		NATIONAL SPAIN		4.000					5 mg/m <sup>3</sup> TWA (containing <1% of free Silica, respirable dust); 10 mg/m <sup>3</sup> TWA (containing <1% of free Silica, total dust)
		NATIONAL PORTUGAL		10					
		NATIONAL BELGIUM		10					
		NATIONAL HUNGARY		10					
		NATIONAL UNITED KINGDOM		10.000					inhalable dust
		NATIONAL UNITED KINGDOM		4.000					respirable dust

National CROATIA	10.000	10.000	
ACGIH AUSTRALIA	1.000		A4 - Not Classifiable as a Human Carcinogen;pulmonary function;respiratory symptoms;asthma
National UNITED KINGDOM	10	30.000	5 mg/m3 TWA (containing <1% of free Silica, respirable dust);10 mg/m3 TWA (containing <1% of free Silica, total dust)
National UNITED KINGDOM	4.000		
National ROMANIA	10		
National CROATIA	4.000	10	
OSHA	15		
OSHA	5		
ACGIH	1		A4 - Not Classifiable as a Human Carcinogen;pulmonary function;respiratory symptoms;asthma
AUS AUSTRALIA	10		
National SPAIN	4		
National FINLAND	5		
National FINLAND	1		
National PORTUGAL	1		
National BELGIUM	1		
National LATVIA	6		
National UNITED KINGDOM	10	30	
National UNITED KINGDOM	10	12	
National UNITED KINGDOM	4	30	
National CROATIA	10		
National CROATIA	4		
free crystalline silica (Ø >10 µ)	National DENMARK	0.3	DENMARK, inhalable aerosol inhalable aerosol
	National DENMARK	0.100	DENMARK, respirable aerosol respirable aerosol
	National SWITZERLAND	0.15	A
	ACGIH None	0.025	(R), A2 - Pulm fibrosis, lung cancer
	National NORWAY	0.300	K: Chemicals to be treated as carcinogenic.
	National AUSTRALIA	0.050	
	ACGIH	0.025	A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis
	National FRANCE	0.100	
	National SPAIN	0.050	
	National FINLAND	0.05	
	National PORTUGAL	0.025	
	National BELGIUM	0.100	
	National CZECH REPUBLIC	0.100	

National HUNGARY	0.150	
National DENMARK	0.300	
National DENMARK	0.100	
National SWEDEN	0.100	
National ESTONIA	0.100	
National SLOVAKIA	0.100	0.500
National SLOVENIA	0.1	
National BULGARIA	0.070	
National LITHUANIA	0.100	
National ROMANIA	0.100	
National CROATIA	0.100	
Calcium carbonate	AUS AUSTRALIA	10
	National FRANCE	10
	National PORTUGAL	10
	National LATVIA	6

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

<b>Component</b>	<b>CAS-No.</b>	<b>PNEC Limit</b>	<b>Exposure Route</b>	<b>Exposure Frequency Remark</b>
Calcium carbonate	471-34-1	100 mg/l	Microorganisms in sewage treatments	

#### **Derived No Effect Level. (DNEL)**

<b>Component</b>	<b>CAS-No.</b>	<b>Worker Industry</b>	<b>Worker Profession</b>	<b>Consu mer</b>	<b>Exposure Route</b>	<b>Exposure Frequency Remark</b>
Calcium carbonate	471-34-1	6.36 mg/m <sup>3</sup>		1.06 mg/m <sup>3</sup>	Human Inhalation	Long Term, local effects
				6.1 mg/kg	Human Oral	Long Term, systemic effects
				6.1 mg/kg	Human Oral	Short Term, systemic effects

#### **Appropriate engineering controls**

no data available

#### **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; AS/NZS 2161.10:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use protective 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 AS/NZS 1715-1716 for information on selection and use of appropriate respiratory protection equipment.

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

## **9. Physical and chemical properties**

Physical state Solid

Color Grey

Appearance: powder

Odour: cement like

Odour threshold: no data available

pH:

pH (water dispersion, 10%): 12.00

Melting point / freezing point: no data available

Initial boiling point and boiling range: no data available  
Flash point: no data available  
Evaporation rate: no data available  
Flammability (Solid, Gas): no data available  
Upper/lower flammability or explosive limits: no data available  
Vapour pressure: no data available  
Vapour density: no data available  
Relative density: no data available  
Solubility in water: no data available  
Solubility in oil: no data available  
Partition coefficient (n-octanol/water): no data available  
Auto-ignition temperature: no data available  
Decomposition temperature: no data available  
Viscosity: no data available  
Specific heat value: no data available  
Saturated vapour concentration: no data available  
Release of invisible flammable vapours and gases: no data available  
Particle size: no data available  
Particle size distribution: no data available  
Shape and aspect ratio: no data available  
Crystallinity: no data available  
Dustiness: no data available  
Specific surface area: no data available  
Degree of aggregation or agglomeration, and dispersibility: no data available  
Biodurability or biopersistence: no data available  
Surface coating or chemistry: no data available  
VOC % (Volatile Organic Compound) : 10 (Rule 1168) g/l

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## 10. Stability and reactivity

### Reactivity

Stable under normal conditions

### Chemical stability

no data 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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## SECTION 11: Toxicological information

### Information on toxicological effects

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

free crystalline silica (Ø a) acute toxicity LD50 Oral > 2000 mg/kg  
>10  $\mu$ )

LD50 Skin > 2000 mg/kg

Calcium carbonate a) acute toxicity LD50 Oral Rat > 2000 mg/kg  
LC50 Inhalation Rat > 3 mg/l  
LD50 Skin Rat > 2000 mg/kg 4h  
LD50 Oral Rat = 6450 mg/kg  
g) reproductive toxicity NOAEL Rat = 1000 mg/kg

Calcium diformate a) acute toxicity LD50 Oral Rat = 2650 mg/kg

## 12. Ecological information

### Ecotoxicity

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
Calcium carbonate	CAS: 471-34-1 - EINECS: 207-439-9	c) Bacteria toxicity : NOEC Bacteria = 1000 mg/L 3  d) Terrestrial toxicity : LC50 > 1000 mg/kg  d) Terrestrial toxicity : NOEC = 1000 mg/kg - 28 d  e) Plant toxicity : NOEC = 1000 mg/kg - 21 d
Calcium diformate	CAS: 544-17-2 - EINECS: 208-863-7	a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio >= 1000 mg/L 96h IUCLID

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### Other adverse effects

no data available

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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

no data available

### UN proper shipping name

no data available

### Transport hazard class(es)

no data available

### Packing group, if applicable

no data available

### Environmental hazards

no data available

### Special precautions for user

no data available

### Additional Information

no data available

**15. Regulatory information****Safety, health and environmental regulations specific for the product in question**

This Safety Data Sheet has been prepared according to the Australian Work Health and Safety (WHS) act and the Code of Practice on preparation of safety data sheets for Hazardous Chemicals.

AICS: all components are listed

**16. Other information****Code****Description**

H315	Causes 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

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:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- 9. PHYSICAL AND CHEMICAL PROPERTIES