

## Safety Data Sheet

### ULTRABOND ECO 380

Safety Data Sheet dated: 20/10/2021 - version 3

Date of first edition: 03/05/2017



## 1. Identification

### GHS Product identifier

Mixture identification:

Trade name: ULTRABOND ECO 380

Trade code: 9019434

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

Recommended use: Water-borne synthetic polymer based adhesive

Uses advised against: Data not 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

0 The product is not classified as dangerous according to Australia WHS 2012.

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

The product is not classified as dangerous according to Australia WHS 2012.

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

Other Hazards: No other hazards

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

## 3. Composition/information on ingredients

### Substances

no data available

### Mixtures

Mixture identification: ULTRABOND ECO 380

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

Concentration (%) w/w	Name	Ident. Numb.	Classification	Registration Number
≥25 - <50 %	calcium carbonate	CAS:1317-65-3 EC:215-279-6		
≥5 - <10 %	free crystalline silica (Ø >10 µ)	CAS:14808-60-7 EC:238-878-4		
≥1 - <2.5 %	1-Phenoxypropan-2-ol	CAS:770-35-4 EC:212-222-7	Eye Irrit. 2A, H319	01-2119486566-23-XXXX

## 4. First-aid measures

### Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and soap.

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:

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

### **Symptoms caused by exposure**

no data available

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

Treatment: no data available

(see paragraph 4.1)

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## **5. Fire-fighting measures**

### **Suitable extinguishing media**

None in particular.

Water.

Carbon dioxide (CO<sub>2</sub>).

### **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: ==

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.

Remove persons to safety.

### **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 materials for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

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 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.

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## **8. Exposure controls/personal protection**

### **Control parameters – exposure standards, biological monitoring**

#### **List of components with OEL value**

<b>Component</b>	<b>OEL Type</b>	<b>Country</b>	<b>Ceiling</b>	<b>Long Term mg/m<sup>3</sup></b>	<b>Long Term ppm</b>	<b>Short Term mg/m<sup>3</sup></b>	<b>Short Term ppm</b>	<b>Behaviour Note</b>
calcium carbonate	OSHA			15				
	OSHA			5				
	National	GREECE		10				

	National GREECE	5		
	National BELGIUM	10		
	National CZECH REPUBLIC	10.0		
	National HUNGARY	10		
	National ESTONIA	10		
	National ESTONIA	5		
	National SLOVAKIA	10		
	National UNITED KINGDOM	10	30	
	National UNITED KINGDOM	10	12	
	National UNITED KINGDOM	4	30	
	National BULGARIA	10		
	National ROMANIA	10		
	National CROATIA	4		
	National CROATIA	10		
	National FRANCE	10.000		
free crystalline silica ( $\emptyset$ >10 $\mu$ )	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		

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

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency	Remark
1-Phenoxypropan-2-ol	770-35-4	0.1 mg/l	Fresh Water		

0.01 mg/l Marine water

0.38 mg/kg Freshwater  
sediments

0.038 mg/kg Marine water  
sediments

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

Component	CAS-No.	Worker Industr y	Worker Profess ional	Consu mer	Exposure Route	Exposure Frequency	Remark
1-Phenoxypropan-2-ol	770-35-4	42 mg/kg		21 mg/kg	Human Dermal	Long Term, systemic effects	
		25.7 mg/m <sup>3</sup>			Human Inhalation	Long Term, systemic effects	
				3.65 mg/kg	Human Oral	Long Term, systemic effects	

#### Appropriate engineering controls

no data available

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

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; AS/NZS 2161.10:

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  $\geq 480\text{min}$ .

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.

## 9. Physical and chemical properties

Physical state Liquid

Color Beige

Appearance: paste

Odour: Characteristic

Odour threshold: no data available

pH: 9.00

Melting point / freezing point: no data available

Initial boiling point and boiling range: 100 °C (212 °F)

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: 1.23 g/cm<sup>3</sup>

Solubility in water: dispersible

Solubility in oil: insoluble

Partition coefficient (n-octanol/water): no data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: 85,000.00 cPs

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) : 17 (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 of the mixture:

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	Not classified
	Based on available data, the classification criteria are not met
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	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

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

calcium carbonate	a) acute toxicity	LD50 Oral Rat > 5000 mg/kg
free crystalline silica (Ø >10 µ)	a) acute toxicity	LD50 Oral > 2000 mg/kg
		LD50 Skin > 2000 mg/kg
1-Phenoxypropan-2-ol	a) acute toxicity	LD50 Oral Rat = 2830 mg/kg
		LD50 Skin Rabbit > 2000 mg/kg
		LC50 Inhalation Rat > 5400 mg/m <sup>3</sup> 4h

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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

Not classified for environmental hazards

Based on available data, the classification criteria are not met

### List of components with eco-toxicological properties

Component	Ident. Numb.	Ecotox Infos
calcium carbonate	CAS: 1317-65-3 - EINECS: 215-279-6	a) Aquatic acute toxicity : LC50 Fish > 10000 mg/L 96
		a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae > 200 mg/L 72
1-Phenoxypropan-2-ol	CAS: 770-35-4 EINECS: 212-222-7	a) Aquatic acute toxicity : LC50 Fish > 100 mg/L 96
		a) Aquatic acute toxicity : LC50 Daphnia = 370 mg/L 48
		a) Aquatic acute toxicity : EC50 Algae > 100 mg/L 72

### 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.

Clean waste packaging should be recycled when possible and authorized by the authority.

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

**HazChem Code/Emergency Action code**

no data available

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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 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

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

H319 Causes serious eye 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  
KAFH: KAFH  
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:**

- Safety Data Sheet
- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 16. OTHER INFORMATION