

## Safety Data Sheet

### ULTRABOND ECO S 955 1K

Safety Data Sheet dated: 02/05/2022 - version 3

Date of first edition: 03/05/2017



## 1. Identification

### GHS Product identifier

Mixture identification:

Trade name: ULTRABOND ECO S 955 1K

Trade code: 900743

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

Recommended use: Sililated polyurethane adhesive

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

Fam. Liq. 4 Combustible liquid

Adverse physicochemical, human health and environmental effects:

No other hazards

### GHS label elements, including precautionary statements

#### Pictograms and Signal Words

Warning

#### Hazard statements:

H227 Combustible liquid

#### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

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

P370+P378 In case of fire, use a dry powder fire extinguisher for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with applicable regulations.

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

Other Hazards: No other hazards

Further hazards:

Methanol is released by hydrolysis during application.

## 3. Composition/information on ingredients

### Substances

no data available

### Mixtures

Mixture identification: ULTRABOND ECO S 955 1K

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

Concentra tion (% w/w)	Name	Ident. Numb.	Classification	Registration Number
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≥10 - <20 calcium carbonate  
%

CAS:1317-65-3  
EC:215-279-6

≥5 - <10 Calcium carbonate  
%

CAS:471-34-1  
EC:207-439-9

Exempted

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#### 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.

##### 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.

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.

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.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

## 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/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
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					
	Calcium carbonate	AUS	AUSTRALIA		10				
National		FRANCE		10					
National		PORTUGAL		10					
National		LATVIA		6					

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

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

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

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
Calcium carbonate	471-34-1	6.36 mg/m3		1.06 mg/m3	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  $\geq 0,5\text{mm}$ ; 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.

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## 9. Physical and chemical properties

Physical state Liquid

Color Beige

Appearance: paste

Odour: Characteristic

Odour threshold: no data available

pH: no data available

Melting point / freezing point: no data available

Initial boiling point and boiling range: no data available

Flash point: 62 °C (144 °F)

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

Solubility in water: Insoluble

Solubility in oil: partly soluble

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

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: 350,000.00 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) : 8.5 (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

## 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
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

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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
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

### 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

**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**

<b>Code</b>	<b>Description</b>
H227	Combustible liquid

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

Main bibliographic sources:

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
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- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
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- 6. ACCIDENTAL RELEASE MEASURES
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- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
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