

## Safety Data Sheet

### ULTRABOND ECO MS 4 LVT WALL (NA)

Safety Data Sheet dated: 06/25/2021 - version 8

Date of first edition: 05/28/2019



## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: ULTRABOND ECO MS 4 LVT WALL (NA)

Trade code: 9035853

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

Recommended use: Adhesive based on sililated prepolymers

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

Responsible: RDProductSafety@mapei.com

### Emergency 24 hour numbers:

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

## 2. HAZARD(S) IDENTIFICATION



### Classification of the chemical

Skin Sens. 1 May cause an allergic skin reaction.

### Label elements

#### Pictograms and Signal Words



Warning

### Hazard statements:

H317 May cause an allergic skin reaction.

### Precautionary statements:

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust or mist.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P321 Specific treatment (see supplementary instructions on this label).  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
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:

None

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)

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### 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

Concentration (% w/w)	Name	Ident. Numb.	Classification	Registration Number
2.5-5 %	TITANIUM DIOXIDE	CAS:13463-67-7	Carc. 2, H351	
1-2.5 %	VINYLTRIMETHOXYSILANE	CAS:2768-02-7	Flam. Liq. 3, H226; Acute Tox. 4, H332	
0.1-0.25 %	BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE	CAS:41556-26-7	Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

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### 4. FIRST AID MEASURES

#### Description of first aid measures

In case of skin contact:

- Immediately take off all contaminated clothing.
- OBTAIN IMMEDIATE MEDICAL ATTENTION.
- Obtain medical attention if skin related symptoms persist.
- 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:

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

#### 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)

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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.

#### Specific hazards arising from the chemical

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

#### 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.
- 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

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.  
Exercise the greatest care when handling or opening the container.  
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.  
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

#### 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
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:  
Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:  
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  $\geq 480\text{min}$ .  
Use impervious 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 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.  
N.A.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state: Liquid  
Appearance and colour: paste white

Odour: mild  
Odour threshold: Not Relevant  
pH: Not Relevant  
Melting point / freezing point: Not Relevant  
Initial boiling point and boiling range: Not Relevant  
Flash point: 94 °C (201 °F)  
Evaporation rate: Not Relevant  
Upper/lower flammability or explosive limits: Not Relevant  
Vapour density: Not Relevant  
Vapour pressure: Not Relevant  
Relative density: 1.35 g/cm<sup>3</sup>  
Solubility in water: Not Relevant  
Solubility in oil: Not Relevant  
Partition coefficient (n-octanol/water): Not Relevant  
Auto-ignition temperature: Not Relevant  
Decomposition temperature: Not Relevant  
Viscosity: Not Relevant  
Explosive properties: Not Relevant  
Oxidizing properties: Not Relevant  
Solid/gas flammability: Not Relevant

#### Other information

Substance Groups relevant properties Not Relevant  
Miscibility: Not Relevant  
Fat Solubility: Not Relevant  
Conductivity: Not Relevant

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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

None.

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## 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:

TITANIUM DIOXIDE      a) acute toxicity      LD50 Oral Rat > 10000 mg/kg

VINYLTRIMETHOXYSILAN      a) acute toxicity      LD50 Oral Rat = 7340 µL/kg  
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BIS(1,2,2,6,6-      a) acute toxicity      LD50 Oral Rat = 2615 mg/kg  
PENTAMETHYL-4-  
PIPERIDYL) SEBACATE

**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:**

TITANIUM DIOXIDE                      Group 2B

**Substance(s) listed as OSHA Carcinogen(s):**

TITANIUM DIOXIDE

**Substance(s) listed as NIOSH Carcinogen(s):**

TITANIUM DIOXIDE

**Substance(s) listed on the NTP report on Carcinogens:**

None

**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
VINYLTRIMETHOXYSILANE	CAS: 2768-02-7	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 191 mg/L 96h ECHA
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE	CAS: 41556-26-7	a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus = 0.97 mg/L 96h

**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.

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#### 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.

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#### 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:

TITANIUM DIOXIDE	is listed in TSCA	Section 8b
VINYLTRIMETHOXYSILANE	is listed in TSCA	Section 8b
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE	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:

No substances listed

## 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:

TITANIUM DIOXIDE Listed as carcinogen

### Massachusetts Right to know

#### Substance(s) listed under Massachusetts Right to know:

TITANIUM DIOXIDE

### Pennsylvania Right to know

#### Substance(s) listed under Pennsylvania Right to know:

TITANIUM DIOXIDE

### New Jersey Right to know

#### Substance(s) listed under New Jersey Right to know:

TITANIUM DIOXIDE

## 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

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### Additional classification information

NFPA Health: 1 = Slight

NFPA Flammability: 1 = Combustible if heated

NFPA Reactivity: 0 = Minimal

NFPA Special Risk: N.A.



NFPA

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.

Code	Description
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### 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
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION