Ecobeton Europe Srl
Via G.Galilei, 47
36030 Costabissara Vicenza (IT)
Italy
VAT : IT03257050249

T +39 0444 971893
E europe@ecobeton.it
I https://www.ecobeton.com

Safety Data Sheet

Brickcover

Revision:

10 October 2024
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Brickcover
UFI: U500-X0YQ-P008-YWF1

1.2. Relevant identified uses of the substance or mixture and uses advised against recommended use

Deep penetrating water repellent treatment for stones, bricks and all absorbent construction materials.

1.3. Detail of the supplier of the safety data sheet

Ecobeton Italy Srl
Via G.Galilei, 47
36030 Costabissara, Vicenza - Italy
Phone: +39.0444.971893
Email: info@ecobeton.it

National Distributor
Ecobeton Italy Srl

Information about the Safety Data Sheet:

tecnica@ecobeton.it

1.4. Emergency telephone number

Italy - Italia | Verona Integrated Hospital Company: 800 011 858
Full list at: preparatipericolosi.iss.it

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Skin Irrit. 2	H315
Eye Irrit. 2	H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

Hazard Pictograms



Signal Word

Warning

Hazard Statements:
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary Statements:
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/ attention.
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap.
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other Hazards

PBT: none
vPvB: none
The product is not listed or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100.
Other Hazards: none

SECTION 3: Composition/information on ingredients

Chemical identity:

Silicone resin solution

3.2. Mixtures

CAS / EC-No.	Component	Concentration	Classification: REGULATION (EC) No 1272/2008	Notes
CAS no: 31795-24-1 **EC no:** 250-807-9 **Reach no:**	Potassium methylsilanetriolate	2.0 % - 3.0 %	Skin Corr. 1A - H314 Eye Dam. 1 - H318	

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).
Inhalation: Move person to fresh air. If effects occur, consult a physician.
Skin contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse.
Eye contact: Wash eyes immediately and continuously with water for 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Seek medical attention immediately, preferably from an ophthalmologist.
Ingestion: Give one cup (8 ounces or 240 ml) of water or milk if available and transport to a medical facility. Do NOT induce vomiting. Do not give anything by mouth unless the person is fully conscious.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

4.3. Indication of any immediate medical attention and special treatment needed

If burn is present, treat as any thermal burn, after decontamination. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: All extinguishing agents can be used.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Produces Silicon oxides. Exposure to combustion products may be a hazard to health. Produces Carbon oxides.

5.3. Advice for firefighters

Product does not burn. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. This must not be discharged into drains. Remove undamaged containers from fire area if it is safe to do so.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
For emergency responders: Use personal protective equipment. Stop the leak if the operation is safe. Follow safe handling advice and personal protective equipment recommendations.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Discharge into the environment must be avoided. Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and materials for containment and cleaning up

Suck up the leaked product into a suitable container. Clean up remaining materials from spill with suitable absorbant.

6.4. Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not get on skin or clothing. Keep container tightly closed. Do not breathe vapours or spray mist. Avoid contact with eyes. Avoid contact with skin and eyes. Do not swallow.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed. Protect against frost. Keep in properly labelled containers.
Do not store with the following product types: Strong oxidizing agents. Organic peroxides. Explosives.
Unsuitable materials for containers: Aluminium.

7.3. Specific end use(s)

See the technical data sheet on this product for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TLV Occupational exposure limit of the entire mixture: Not available

DNEL Exposure limit values for the whole mixture: Not available
DNEL Exposure limit values of the ingredients:

Potassium methylsilanetriolate

Data for WORKERS

INHALATION Exposure	Threshold
Systemic Effects	
Long-term:	(DNEL) 11.3 mg/m³
Acute / short term:	No hazard identified
Local Effects	
Long-term:	High hazard (no threshold derived)
Acute / short term:	High hazard (no threshold derived)

DERMAL Exposure	Threshold
Systemic Effects	
Long-term:	(DNEL) 1.6 mg/kg bw/day
Acute / short term:	No hazard identified
Local Effects	
Long-term:	High hazard (no threshold derived)
Acute / short term:	High hazard (no threshold derived)

EYE Exposure
High hazard (no threshold derived)

Data for GENERAL POPULATION

INHALATION Exposure	Threshold
Systemic Effects	
Long-term:	(DNEL) 2 mg/m³
Acute / short term:	No hazard identified
Local Effects	
Long-term:	High hazard (no threshold derived)
Acute / short term:	High hazard (no threshold derived)

DERMAL Exposure	Threshold
Systemic Effects	
Long-term:	(DNEL) 600 µg/kg bw/day
Acute / short term:	No hazard identified
Local Effects	
Long-term:	High hazard (no threshold derived)
Acute / short term:	High hazard (no threshold derived)

ORAL Exposure	Threshold
Systemic Effects	
Long-term:	No hazard identified
Acute / short term:	(DNEL) 80 µg/kg bw/day

EYE Exposure
High hazard (no threshold derived)

PNEC Exposure limit values for the entire mixture: Not available
PNEC Exposure limit values of the ingredients:

Potassium methylsilanetriolate

Hazard for Aquatic Organism	
Freshwater	No hazard identified
Intermittent releases (freshwater)	No hazard identified
Marine water	No hazard identified
Intermittent releases (marine water)	No hazard identified
Sewage treatment plant (STP)	7.1 mg/L
Sediment (freshwater)	4.8 mg/kg sediment dw
Sediment (marine water)	480 µg/kg sediment dw

Hazard for Air	
Air	No hazard identified

Hazard for Terrestrial Organism	
Soil	190 µg/kg soil dw

Hazard for Predators	
Secondary poisoning	No potential for bioaccumulation

8.2. Exposure controls

Appropriate engineering controls: No special measures required.

Individual protection measures

Eye/Face protection: It is recommended to wear airtight protective goggles.
Skin Protection: Hand Protection: Use chemical resistant gloves classified under Standard EN374: Protective gloves against dangerous chemicals and micro-organisms. Other: Wear professional long-sleeved work clothes and safety footwear (category S2 or superior).
Respiratory protection: Wear a protective mask during spray application.
Thermal hazards: Not Available.

Environmental exposure controls
See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	transparent
Odour	odourless
Melting point/freezing point	~ 0°C
Boiling point or initial boiling point and boiling range	~ 100°C
Flammability	n.a. (non-flammable liquid)
Lower and upper explosion limit	n.a. (non-flammable liquid)
Flash point	closed cup >100 °C
Auto-ignition temperature	n.a. (non-flammable liquid)
Decomposition temperature	n.d.
pH	~ 11
Kinematic viscosity	0,01 x 10^{-3} mm^2/s
Solubility	fully soluble
Partition coefficient n-octanol/water (log value)	n.a. (mixture)
Vapour pressure	n.d.
Density and/or relative density	1.05 g/ml
Relative vapour density	n.d.
Particle characteristics	n.a. (liquid)

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can react with strong oxidizing agents.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Acids. Oxidizing agents.

10.6. Hazardous decomposition products

Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity

Acute oral toxicity Based on available data, the classification criteria are not met.
Acute dermal toxicity Based on available data, the classification criteria are not met.
Acute inhalation toxicity Based on available data, the classification criteria are not met.

Toxicity details:

Route of exposure	Result/Effect	Species/Test system	Source
Ingestion	LD50: > 5000 mg/kg	Rat	Conclusion by analogy
Inhalation	n.d.	n.d.	n.d.
Skin/eye	LD50: > 5000 mg/kg	Rat	Conclusion by analogy

Skin corrosion/irritation
Due to the pH of the material, it is assumed that exposure may cause skin irritation.
Serious eye damage/eye irritation
Due to the pH of the material, it is assumed that exposure may cause severe eye damage.
Respiratory or skin sensitization
Based on the available data a sensitization reaction is not expected from this product.
Germ cell mutagenicity
Based on known data a significant mutagenic potential may be excluded.
Carcinogenicity
No relevant data found.
Reproductive toxicity
Based on information for component(s): For this family of materials: In animal studies, did not interfere with reproduction.
Specific Target Organ Systemic Toxicity (Single Exposure)
Material is not classified as a respiratory irritant; however, upper respiratory tract irritation or corrosivity may be expected.Material is corrosive.
Specific Target Organ Systemic Toxicity (Repeated Exposure)
Based on information for component(s): For this family of materials: In animals, effects have been reported on the following organs: Liver. Kidney. Thyroid.
Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties
The substance/mixture does not contain any components considered to have endocrine disrupting properties within the meaning of Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
11.2.2. Other information None available.

SECTION 12: Ecological information

12.1. Toxicity

No expected damaging effects to aquatic organisms.
Product details:

Result/Effect	Species/Test system	Source
EC50: > 100 mg/l	bacteria	Conclusion by analogy OECD 209

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No adverse effects expected.

12.4. Mobility in soil

No adverse effects expected.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

According to present knowledge no adverse influence to environment expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Do not dump into any sewers, on the ground, or into any body of water.

SECTION 14: Transport information

14.1. UN number or ID number	Not regulated for transport.
14.2. Proper shipping name	Not regulated for transport.
14.3. Transport hazard class(es)	Not regulated for transport.
14.4. Packing group	Not regulated for transport.
14.5. Environmental hazards	Not Hazardous to the environment.
14.6. Special precautions for user	Relevant information in other sections has to be considered.
14.7. Maritime transport in bulk according to IMO instruments	Bulk transport in tankers is not intended.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other safety, health and environmental regulations/legislation specific for the substance or mixture: None available.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008

The information contained in this Safety Data Sheet is derived from the data provided by the suppliers of the components of the mixture, that we verified adequate and reliable by analogy with similar products and with the information provided by ECHA.

Full text of H-Statements referred to under sections 2 to 15.

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Full text of P-Statements referred to under sections 2 to 15.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: Wash with plenty of water and soap.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Legend

CAS No.	Chemical Abstracts Service (CAS) Registry Number
CLP	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures
ECHA	European Chemicals Agency
EC No.	European Community number
EWC	European Waste Catalogue
GHS	Globally Harmonized System
IC50	Half maximal inhibitory concentration
IMO	International Maritime Organization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal Concentration to 50 % of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
REACH	Regulation (EC) No 1907/2006 of the European Parliamentand of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
TWA	Time Weighted Average
UFI	Unique Formula Identifier
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
Skin Irrit. 2	Skin corrosion/irritation
Eye Irrit. 2	Serious eye damage/eye irritation

Bibliography

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- European Chemical Agency (https://echa.europa.eu/)
- Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer
- Regulation (EU) 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants
- Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals
- Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC
- EN ISO 374-5:2016 - Protective gloves against dangerous chemicals and micro-organisms
- DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC
- Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directive
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods
- Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products
- Commission Delegated Regulation (EU) 2023/707 of 19 December 2022 amending Regulation (EC) No 1272/2008 as regards hazard classes and criteria for the classification, labelling and packaging of substances and mixtures

Changes made to the previous version:

Section 1-3
The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.
This document should not be construed as a guarantee of any specific property of the product.
Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.
Provide adequate training to personnel assigned to the use of chemical products.

End of safety datasheet