

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

Product: Silicate Primer

Version 2 – **Revision date:** 16/05/2015 (**Supersedes:** 20/01/2014)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY

1.1 Product identifier

Trade name: **TectorPaint Silicate Primer**

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

- Use: **Primer. For professional use.**
- Uses advised against: **Any use not explicitly recommended.**

1.3 Details of the supplier of the safety data sheet

- **Company:** Holcim España S.A.U.
- **Address:** Avda. Manoteras, 20. Edificio Tokio, 1a Planta
- **City/Postal Code:** 28050 Madrid
- **Phone:** +34 91 213 31 00
- **Email:** marketing.spain@holcim.com
- **Website:** www.holcim.es

1.4 Emergency telephone number

967-442029 (Available only during office hours: Monday to Friday, 08:00–18:00)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

In accordance with Regulation (EC) No. 1272/2008 (CLP):

2.2 Label elements

Pictogram:



Hazard statements (H-phrases):

- **H315:** Causes skin irritation.
- **H319:** Causes serious eye irritation.

Precautionary statements (P-phrases):

- **P102:** Keep out of reach of children.
- **P280:** Wear protective gloves/protective clothing/eye protection/face protection.
- **P302+P352:** IF ON SKIN: Wash with plenty of water/soap.
- **P332+P313:** If skin irritation occurs: Get medical advice/attention.
- **P337+P313:** If eye irritation persists: Get medical advice/attention.
- **P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- **P501:** Dispose of contents/container in accordance with local regulations.

Supplemental hazard information:

- For professional users only.

2.3 Other hazards

Under normal conditions of use, the product does not pose any other known health or environmental hazards.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

This product is a mixture of substances, containing the following components classified as hazardous under Regulation (EC) No. 1272/2008:

Identifiers	Name	Concentration	(*) Classification – Regulation 1272/2008	
			Classification	Specific concentration limits and Acute Toxicity Estimate (ATE)
CAS No.: 1312-76-1 EC No.: 215-199-1 Registration No.: 01-2119456888-17-XXXX	silicic acid, potassium salt	2,5 – 20%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-

(*) The full text of the H phrases is detailed in section 16 of this Safety Data Sheet.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

In case of doubt, or when symptoms of discomfort persist, seek medical attention.
Never give anything by mouth to an unconscious person.

- **Inhalation:** Move the affected person to fresh air, keep them warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Do not give anything by mouth. If unconscious, place the person in a proper recovery position and seek medical assistance.
- **Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or a suitable skin cleanser. NEVER use solvents or thinners.
- **Eye contact:** If wearing contact lenses, remove them. Rinse eyes thoroughly with clean, fresh water for at least 10 minutes while lifting the eyelids. Seek medical attention.
- **Ingestion:** If accidentally swallowed, seek medical attention immediately. Keep the person at rest. NEVER induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- No known acute or delayed effects resulting from exposure to the product.

4.3 Indication of any immediate medical attention and special treatment needed

- In case of doubt, or when symptoms of discomfort persist, seek medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIREFIGHTING MEASURES

The product does not present any particular hazard in case of fire. The product is **NOT classified as flammable**; in the event of a fire, the following measures should be followed:

5.1 Extinguishing media

- Dry chemical powder or CO₂. For larger fires, use alcohol-resistant foam and water spray.
- Do not use a direct water jet to extinguish the fire.

5.2 Special hazards arising from the substance or mixture

- Special risks: Fire may produce a dense black smoke. Hazardous decomposition products may be formed as a result of thermal breakdown, such as carbon monoxide and carbon dioxide. Exposure to combustion or decomposition products can pose health risks.

5.3 Advice for firefighters

- Cool tanks, containers, or cisterns near the fire or heat source with water spray. Take wind direction into account. Prevent firefighting runoff from entering drains, sewers, or watercourses.
- Firefighting protective equipment: Depending on the scale of the fire, it may be necessary to use heat-resistant protective suits, self-contained breathing apparatus (SCBA), gloves, protective goggles or face shields, and safety boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes. Ensure adequate ventilation. Wear suitable personal protection equipment.

6.2 Environmental precautions

- Prevent product from entering drains, surface or ground waters.

6.3 Methods and material for containment and cleaning up

- Collect spilled material with absorbent non-combustible material (e.g., sand, soil).
- Dispose of the material in accordance with local regulations.

6.4 Reference to other sections

- For personal protection, see Section 8.
- For disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Use in well-ventilated areas.
- Avoid contact with skin and eyes.
- Do not breathe vapors or spray.
- Keep containers tightly closed when not in use.
- Comply with occupational health and safety standards.

7.2 Conditions for safe storage, including any incompatibilities

- Store in tightly closed original containers in a cool, dry, well-ventilated area.
- Protect from extreme temperatures and direct sunlight.
- Keep away from oxidizing agents, acids, and sources of ignition.

7.3 Specific end use(s)

- Preparation of porous mineral substrates

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

The product DOES NOT contain substances with Biological Limit Values.
DNEL/DMEL concentration levels:

Name	DNEL/DMEL	Type	Value
silicic acid, potassium salt CAS No.: 1312-76-1 EC No.: 215-199-1	DNEL (Workers)	Inhalation, Chronic, Systemic effects	5,61 (mg/m ³)

DNEL: Derived No Effect Level, exposure level to the substance below which no adverse effects are expected.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, which should be considered a minimal tolerable risk.

8.2 Exposure controls

Technical measures:

Provide adequate ventilation, which can be achieved through effective local exhaust ventilation and a good general exhaust system.

- **Respiratory protection:** Not required under normal conditions. Use mask with filter if exposed to vapors/aerosols.
- **Hand protection:** Protective gloves (nitrile recommended).
- **Eye protection:** Safety glasses with side protection.
- **Skin protection:** Wear suitable protective clothing.
- **Environmental exposure controls:** Avoid discharge into drains or the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

- **Appearance:** Transparent
- **Colour:** N.A./N.A.
- **Odour:** N.A./N.A.
- **Odour threshold:** N.A./N.A.
- **pH:** N.A./N.A.
- **Melting point:** N.A./N.A.
- **Boiling point/range:** 65 °C
- **Flash point:** 205 °C
- **Evaporation rate:** N.A./N.A.
- **Flammability (solid, gas):** N.A./N.A.
- **Lower explosion limit:** N.A./N.A.
- **Upper explosion limit:** N.A./N.A.
- **Vapour pressure:** 23.379
- **Vapour density:** N.A./N.A.
- **Relative density:** 1.02 g/cm³
- **Solubility:** N.A./N.A.
- **Liposolubility:** N.A./N.A.
- **Water solubility:** N.A./N.A.
- **Partition coefficient (n-octanol/water):** N.A./N.A.
- **Auto-ignition temperature:** N.A./N.A.

- **Decomposition temperature:** N.A./N.A.
- **Viscosity:** N.A./N.A.
- **Explosive properties:** N.A./N.A.
- **Oxidising properties:** N.A./N.A.
- **N.A./N.A. = Not Available / Not Applicable due to the nature of the product.**

9.2 Other Information

Volatile Organic Compound (VOC)

Product subcategory: Consolidating primers, water-based

- **Phase I*** (from 01/01/2007): 50 g/l
- **Phase II*** (from 01/01/2010): 30 g/l
(*) g/l ready-to-use
- **VOC content (w/w):** 0.895%
- **VOC content:** 9.125 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

- No hazardous reactions known under normal use conditions.

10.2 Chemical stability

- Stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

- None under normal conditions.

10.4 Conditions to avoid

- Exposure to extreme heat or cold.
- Contact with strong acids.

10.5 Incompatible materials

- Strong acids, oxidizers.

10.6 Hazardous decomposition products

- In the event of fire, carbon monoxide (CO), carbon dioxide (CO₂), and other toxic gases may be released.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Repeated or prolonged contact with the product may remove skin oils, leading to non-allergic contact dermatitis and enabling absorption of the product through the skin.

Splashes in the eyes may cause irritation and reversible damage.

a) **Acute toxicity:**

Inconclusive data for classification.

b) **Skin corrosion or irritation:**

Product classified as:

Skin irritant, Category 2: Causes skin irritation.

c) **Serious eye damage or irritation:**

Product classified as:

Eye irritation, Category 2: Causes serious eye irritation.

d) **Respiratory or skin sensitization:**

Inconclusive data for classification.

e) **Germ cell mutagenicity:**

Inconclusive data for classification.

f) **Carcinogenicity:**

Inconclusive data for classification.

g) **Reproductive toxicity:**

Inconclusive data for classification.

h) **Specific target organ toxicity (STOT) – single exposure:**

Based on available data, the classification criteria are not met.

i) **Specific target organ toxicity (STOT) – repeated exposure:**

Inconclusive data for classification.

j) Aspiration hazard:

Inconclusive data for classification.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

- No specific data. Avoid uncontrolled release into the environment.

12.2 Persistence and degradability

- No data available.

12.3 Bioaccumulative potential

- No evidence of bioaccumulation.

12.4 Mobility in soil

- No information is available regarding mobility in soil.
The product must not be allowed to enter drains or watercourses.
Avoid penetration into the ground.

12.5 Results of PBT and vPvB assessment

- The mixture does not contain substances classified as PBT or vPvB.

12.6 Other adverse effects

- Avoid discharge into drains or natural watercourses.
-

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- Do not dispose of the product via the sewer system.
 - Dispose of according to local, regional, national, and international regulations.
 - Empty containers should be handled as hazardous waste if they contain product residues.
-

SECTION 14: TRANSPORT INFORMATION

Not hazardous for transport. In case of accident and product spillage, act according to Section 6.

14.1 UN number:

Not hazardous for transport.

14.2 UN proper shipping name:

Not hazardous for transport.

14.3 Transport hazard class(es):

Not hazardous for transport.

14.4 Packing group:

Not hazardous for transport.

14.5 Environmental hazards:

Not hazardous for transport.

14.6 Special precautions for users:

Not hazardous for transport.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not hazardous for transport.

SECTION 15: REGULATORY INFORMATION

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

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Refer to Annex I of Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances.

The provisions of Directive 2004/42/EC on VOCs apply to this product. Please refer to the product label and/or safety data sheet for further information.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not subject to Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure laid down in Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals.

Restrictions on the manufacture, placing on the market, and use of certain dangerous substances and mixtures.

Restrictions on the manufacture, placing on the market, and use of certain dangerous substances and mixtures:

Name of the substance, group of substances, or mixtures	Restrictions
<p>28. Substances listed in Annex VI, Part 3, of Regulation (EC) No 1272/2008 classified as carcinogens of category 1A or 1B (table 3.1) or carcinogens of category 1 or 2 (table 3.2), and cited as follows:</p> <ul style="list-style-type: none"> Category 1A carcinogen (table 3.1) / category 1 carcinogens (table 3.2) included in appendix 1 Category 1B carcinogen (table 3.1) / category 2 carcinogens (table 3.2) included in appendix 2 	<p>1. They may not be marketed or used:</p> <ul style="list-style-type: none"> as substances, as components of other substances, or in mixtures, for sale to the general public when the individual concentration in the substance or mixture is greater than or equal to: either the corresponding specific concentration limit established in Annex VI, Part 3, of Regulation (EC) No 1272/2008, or the relevant concentration set in Directive 1999/45/EC, when no specific concentration limit has been assigned in Annex VI, Part 3, of Regulation (EC) No 1272/2008. <p>Without prejudice to the application of other Community provisions on the classification, packaging, and labeling of substances and mixtures, suppliers shall ensure, prior to marketing, that the packaging of such substances or mixtures bears in a visible, legible, and indelible manner the following statement: “Reserved exclusively for professional users.”</p> <p>2. However, point 1 shall not apply to:</p> <ol style="list-style-type: none"> medicinal products for human or veterinary use as defined in Directive 2001/82/EC and Directive 2001/83/EC; cosmetic products as defined in Directive 76/768/EEC; the following fuels and petroleum-derived products: <ul style="list-style-type: none"> fuels covered by Directive 98/70/EC, hydrocarbon derivatives intended for use as fuels in mobile or stationary combustion plants, fuels sold in a closed system (e.g., liquefied gas cylinders); artist’s paints covered by Directive 1999/45/EC; substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. If a date is specified in column 2 of Appendix 11, the exemption shall apply until the specified date.
<ul style="list-style-type: none"> Substances listed in Annex VI, Part 3, of Regulation (EC) No 1272/2008 classified as germ cell mutagens of category 1A or 1B (table 3.1) or mutagens of category 1 or 2 (table 3.2), and cited as follows: Category 1A mutagen (table 3.1) / category 1 mutagen (table 3.2) included in appendix 3 	<p>1. They shall not be marketed or used:</p> <ul style="list-style-type: none"> as substances, as components of other substances, or in mixtures, for sale to the general public when the individual concentration in the substance or mixture is greater than or equal to: either the corresponding specific concentration limit established in Annex VI, Part 3, of Regulation (EC) No 1272/2008, or the relevant concentration set in Directive 1999/45/EC, when no specific concentration limit has been assigned in Annex VI, Part 3, of Regulation (EC) No 1272/2008.

<ul style="list-style-type: none"> Category 1B mutagen (table 3.1) / category 2 mutagen (table 3.2) included in appendix 4 	<p>Without prejudice to the application of other Community provisions on the classification, packaging, and labeling of substances and mixtures, suppliers shall ensure, prior to marketing, that the packaging of such substances or mixtures bears in a visible, legible, and indelible manner the following statement: “Reserved exclusively for professional users.”</p> <p>2. However, point 1 shall not apply to:</p> <ol style="list-style-type: none"> medicinal products for human or veterinary use as defined in Directive 2001/82/EC and Directive 2001/83/EC; cosmetic products as defined in Directive 76/768/EEC; the following fuels and petroleum-derived products: <ul style="list-style-type: none"> fuels covered by Directive 98/70/EC, hydrocarbon derivatives intended for use as fuels in mobile or stationary combustion plants, fuels sold in a closed system (e.g., liquefied gas cylinders); artist’s paints covered by Directive 1999/45/EC; substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. If a date is specified in column 2 of Appendix 11, the exemption shall apply until the specified date.
---	---

15.2 Chemical safety assessment

- A chemical safety assessment has not been carried out for this mixture.

SECTION 16: OTHER INFORMATION

Full text of H-phrases mentioned in Section 3:

- H315** Causes skin irritation.
- H319** Causes serious eye irritation.
- H335** May cause respiratory irritation.

Classification codes:

- Eye Irrit. 2:** Eye irritation, Category 2
- Skin Irrit. 2:** Skin irritant, Category 2
- STOT SE 3:** Specific target organ toxicity – single exposure, Category 3

Sections modified compared to the previous version:

1, 2, 3, 9, 10, 11, 14, 15, 16

It is recommended to undergo basic training on occupational safety and hygiene to ensure correct handling of the product.

Other phrases:

Safety data sheet available to professional users upon request.
For professional users only.

Abbreviations and acronyms used:

- **CEN:** European Committee for Standardization
- **DMEL:** Derived Minimal Effect Level – an exposure level corresponding to a low risk, considered a minimum tolerable risk
- **DNEL:** Derived No Effect Level – an exposure level below which no adverse effects are expected
- **PPE:** Personal Protective Equipment

Main bibliographic references and data sources:

- <http://eur-lex.europa.eu/homepage.html>
- <http://echa.europa.eu/>
- Regulation (EU) 2015/830
- Regulation (EC) No 1907/2006
- Regulation (EU) No 1272/2008

The information provided in this Safety Data Sheet has been prepared in accordance with **COMMISSION REGULATION (EU) 2015/830 of 28 May 2015**, amending **Regulation (EC) No 1907/2006** of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH), establishing the **European Chemicals Agency**, amending Directive 1999/45/EC and repealing **Council Regulation (EEC) No 793/93**, **Commission Regulation (EC) No 1488/94**, **Council Directive 76/769/EEC**, and **Commission Directives 91/155/EEC**, **93/67/EEC**, **93/105/EC**, and **2000/21/EC**.

Disclaimer:

The information contained in this Safety Data Sheet is based on our current knowledge and is intended to describe the product in terms of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product.