

SAFETY DATA SHEET

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

Product: Silicate Coating

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 Coating**

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

- Use: **Façade coating. 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):

- **STOT RE 2:** May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Pictogram:



- **Signal word:** Warning
- **Hazard statements:**
 - H373: May cause damage to organs through prolonged or repeated exposure.
- **Precautionary statements:**
 - P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 - P314: Get medical advice/attention if you feel unwell.
 - P501: Dispose of contents/container in accordance with national regulations.
- **Supplemental 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 – product is a mixture.

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	1-10%	Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - STOT SE 3, H335	-
Index No.: 649-330-00-2 CAS No.: 64742-82-1 EC No.: 265-185-4 Registration No.: 01-2119490979-12-XXXX	[1] Naphtha (petroleum), heavy hydrodesulfurized (contains less than 0.1% benzene by weight)	1-10%	Asp. Tox. 1, H304 – May be fatal if swallowed and enters airways STOT RE 1, H372 – Causes damage to the central nervous system through prolonged or repeated exposure	-
Index No.: 649-455-00-2 CAS No.: 64741-89-5 EC No.: 265-091-3 Registration No.: 01-2119487067-30-XXXX	Base oil — unspecified. Complex combination of hydrocarbons obtained by refining a solvent extraction process. Consists primarily of saturated hydrocarbons, mostly with carbon numbers in the range of C15 to C30, and produces a final oil with a viscosity of less than 19 cSt at 40°C (100 SUS at 100°F). Distillates (petroleum), solvent-refined light paraffinic fraction.	0.1-2.5 %	-	-

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

[1] Substance with a national occupational exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye contact:** Rinse thoroughly with plenty of water for several minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Skin irritation, allergic reactions, eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
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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

- Suitable: Foam, dry chemical powder, carbon dioxide (CO₂).
- Unsuitable: Do not use water jet directly on flames.

5.2 Special hazards arising from the substance or mixture

- May release hazardous combustion products such as CO, CO₂, and other toxic fumes.

5.3 Advice for firefighters

- Use appropriate protective equipment and self-contained breathing apparatus (SCBA).
 - Cool exposed containers with water spray.
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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)

- Façade coating for professional use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
Naphtha (petroleum), heavy hydrodesulfurized	64742-82-1	Spain [1]	8h	50	290
			Short term	100	580

[1] According to the list of Occupational Exposure Limit Values adopted by the National Institute for Occupational Safety and Health (INSST) for the year 2023.

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

- **Appearance:** Viscous liquid
- **Colour/Various:** depending on product
- **Odour:** Slight
- **Odour threshold:** Not determined
- **pH:** 11.0 ± 1
- **Melting point/freezing point:** Not applicable

- **Initial boiling point and range:** Not determined
- **Flash point:** > 60 °C
- **Evaporation rate:** Not determined
- **Flammability:** Not classified as flammable
- **Vapour pressure:** Not determined
- **Vapour density:** Not determined
- **Relative density:** 1.55 ± 0.1
- **Solubility:** Miscible in water
- **Partition coefficient (n-octanol/water):** Not applicable
- **Auto-ignition temperatura:** Not determined
- **Decomposition temperature:** Not determined
- **Viscosity:** 10,000–20,000 cP
- **Explosive properties:** Not explosive
- **Oxidising properties:** Not oxidising

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.
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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 absorption of the product through the skin. Splashes in the eyes may cause irritation and reversible damage.

11.1 Information on toxicological effects

- **Acute toxicity:** Not classified as acutely toxic.
- **Skin corrosion/irritation:** May cause skin irritation in sensitive individuals.
- **Serious eye damage/irritation:** May cause temporary eye irritation.
- **Respiratory or skin sensitisation:** Prolonged or repeated contact may cause allergic skin reaction.
- **Germ cell mutagenicity:** No data available.
- **Carcinogenicity:** No ingredients classified as carcinogenic.
- **Reproductive toxicity:** Not classified.
- **STOT – single exposure:** May cause irritation to respiratory tract.
- **STOT – repeated exposure:** May cause damage to organs through prolonged or repeated exposure (H373).
- **Aspiration hazard:** Not applicable due to product consistency.

11.2 Information on other hazards

Endocrine disrupting properties:

This product does not contain components with endocrine disrupting properties with effects on human health.

Other information:

No information is available on other adverse health effects.

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 classified as hazardous for transport under ADR, RID, IMDG, or IATA.

- **UN Number:** Not applicable
 - **UN Proper Shipping Name:** Not applicable
 - **Transport hazard class(es):** Not applicable
 - **Packing group:** Not applicable
 - **Environmental hazards:** No
 - **Special precautions for user:** Avoid spills. Ensure proper packaging.
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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> <ul style="list-style-type: none"> a) medicinal products for human or veterinary use as defined in Directive 2001/82/EC and Directive 2001/83/EC; b) cosmetic products as defined in Directive 76/768/EEC; c) the following fuels and petroleum-derived products: <ul style="list-style-type: none"> fuels covered by Directive 98/70/EC,

	<ul style="list-style-type: none"> 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 Category 1B mutagen (table 3.1) / category 2 mutagen (table 3.2) included in appendix 4 	<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. <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> <ul style="list-style-type: none"> a) medicinal products for human or veterinary use as defined in Directive 2001/82/EC and Directive 2001/83/EC; b) cosmetic products as defined in Directive 76/768/EEC; c) 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

Indications of changes:

- Review and update of SDS format according to current regulations.

Full text of H-phrases mentioned in Sections 2 and 3:

- H226: Flammable liquid and vapour
- H304: May be fatal if swallowed and enters airways
- H373: May cause damage to organs through prolonged or repeated exposure

Abbreviations and acronyms:

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- STOT: Specific Target Organ Toxicity

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.