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Emergency Telephone Number:
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Information Telephone Number
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May 2020

Section 1: Product Identification

Product Type: Concrete Sealer

Product Name:

ProSpec® Cure & Harden

Section 2: Hazard Identification

Hazard Risk Classification

This product has been evaluated according to Regulation 29CFR 1910.1200 and classified as:

Skin irritation	Category 2
Eye irritant	Category 2

Label Elements

Hazard Pictogram(s):



Signal Word: Warning.

Hazard Statements:

H315 – Causes skin irritation
H319 – Causes serious eye irritation

Precautionary Statements:

General

Read label before use.

Prevention

Wear protective gloves/eye protection/face protection.

Response

If on skin (or hair): Take off all contaminated clothing immediately. Rinse skin with water. If skin irritation occurs, get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal

Dispose of contents/container to waste disposal.

Hazards not otherwise classified:

Dries to form a glass-like film which can easily cut skin. Can etch glass if not promptly removed.

Section 3: Hazardous Ingredients/Composition

Ingredient	Typical Percentage*	CAS #
Silicic acid, sodium salt	<15.0%	1344-09-8

Section 4: First Aid Measures

General information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

Eye contact:

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 minutes.

Skin contact:

For skin contact, wash with soap and water. If symptoms develop, obtain medical attention.

Inhalation:

Remove patient from exposure, keep warm and at rest. Obtain medical attention.

Ingestion:

Do not induce vomiting. Wash out mouth with water and give water to drink. Obtain medical attention.

Symptoms of overexposure: None known.

Note to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Fire and explosion hazards: This material is not flammable.

Suitable fire extinguishing media: Compatible with all standard firefighting techniques.

Unsuitable fire extinguishing media: None known.

Specific hazards arising from the chemical: Not applicable. Aqueous solution. Non-combustible.

Firefighting procedures: None.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

General precautions: Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

Methods and materials for containment: Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible, without risk. Contain any fluid that runs out using suitable material (e.g. earth). Inform authorities if substance leaks into surface waters, sewerage or ground.

Methods and materials for cleaning up: Caution spillages may be slippery. Contain spillages with sand, earth, or any suitable absorbent material. Transfer to a container for disposal or recovery.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid generation of mist. Provide adequate ventilation. Emergency shower and eye wash facilities should be readily available.

Precautions for safe handling: Storage Temperature: 0-200°F. Do not allow material to freeze.

Conditions for safe storage including any incompatibilities: Do not store in aluminum containers.

Further information for storage: Store in a dry and cool place.

Section 8: Exposure Controls/Personal Protection

Occupational exposure limits: Silicic Acid (sodium salt): No occupational exposure limit assigned.

Personal protection equipment (PPE):

Respiratory protection: Respiratory protection is not normally required.

Eye protection: Safety glasses with side shields or chemical safety goggles.

Hand protection: Wear suitable protective clothing and gloves. Plastic or rubber gloves. For example, EN374-3, level 6 with a breakthrough time >480 minutes. Wear suitable overalls.

General hygiene and protection measures: Do not breathe dust/vapor/mist/gas/aerosol. Avoid contact with eyes and skin. Do not eat, drink or smoke when handling. Wash thoroughly after handling.

Section 9: Physical and Chemical Properties

Appearance:	Colorless liquid
Odor:	None.
Odor Limit:	No data available.
Flash Point:	Not applicable.
Boiling Point:	100°C
Melting Point:	Not applicable.
Thermal Decomposition:	Not applicable.
Sustained Combustibility:	Not applicable.
Ignition Temperature:	Not applicable.
Lower Explosion Limit:	Not applicable.
Upper Explosion Limit:	Not applicable.
Vapor Pressure:	Not applicable.
Relative Density:	Not determined.
Density:	9.0-9.5lb/gal
Solubility in water:	Soluble.
pH Value:	Alkaline, >10
Partition Coefficient:	Not determined.
Viscosity (dynamic):	Not determined.
Viscosity (kinematic):	Not determined.

Section 10: Stability and Reactivity

General information: If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Conditions to avoid: Acids, aluminum, zinc, tin.

Materials to avoid: Reacts with aluminum, zinc, tin, and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.

Hazardous decomposition products: None known.

Further information: Hazardous polymerization cannot occur.

Section 11: Toxicological Information

Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.

11.1.1 Acute toxicity

Assessment: All symptoms of acute toxicity are due to high alkalinity. Material will cause irritation.

11.1.2 Skin corrosion/irritation

Assessment: Material will cause irritation.

11.1.3 Serious eye damage / eye irritation

Assessment: Material will cause irritation.

11.1.4 Respiratory or skin sensitization

Assessment: Not sensitizing.

11.1.5 Germ cell mutagenicity

Assessment: No evidence of genotoxicity. In vitro/in vivo negative.

11.1.6 Carcinogenicity

Assessment: No structural alerts. Not listed by IARC, NTP, OSHA, ACGIH as a known or suspected carcinogen.

11.1.7 Reproductive toxicity

Assessment: No evidence of reproductive toxicity or developmental toxicity.

11.1.8 Specific target organ toxicity (single exposure)

Assessment: The substance or mixture is not classified as specific target organ toxicant.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment: The substance or mixture is not classified as specific target organ toxicant.

11.1.10 Aspiration hazard

Assessment: The substance or mixture is not classified as specific target organ toxicant.

Section 12: Ecological Information

12.1 Toxicity:

Product Details:

Result/effect	Species/test system
LC50: 1108 mg/l	Fish (brachydanio rerio) (96 h)
EC50: 1700 mg/l	Aquatic invertebrates (Daphnia magna) (48 h)

12.2 Persistence and degradability:

Assessment: Inorganic. Soluble silicates, upon dilution, rapidly depolymerize into molecular species indistinguishable from natural dissolved silica.

Bioaccumulation: Not expected to occur.

Mobility in soil: Not applicable.

Other Adverse Effects: The alkalinity of this material could have a local effect on the ecosystems sensitive to changes in pH.

Section 13: Disposal Considerations

Disposal Methods: Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

Packaging Disposal:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or reused. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

Section 14: Transportation

US DOT & Canada TDG Surface:

Valuation: Not regulated for transport

Other information: This material has been tested and does not sustain combustion. Not classified as hazardous under DOT or US Transport recommendations.

Transport by sea IMDG-Code:

Valuation: Not classified as hazardous.

Air transport ICAO-TI/ATA-DGR:

Valuation: Not classified as hazardous.

Section 15: Regulatory Information

This product does not contain any:

- Chemicals regulated under:
TSCA 12(b)
CERCLA
SARA 311
SARA 312
SARA 313
- Hazardous air pollutants.
- Chemicals known to the state of California to cause cancer or reproductive effects.
- Chemicals included in the California Drinking Water Act

Section 16: Other Information

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

Additional information on the product is available at: www.tccmaterials.com

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