

PRODUCT SAFETY DATA SHEET COSTAR 1K

Section 1 - Product Identification

IDENTITY: Product Name: COSTAR 1K

Chemical Characterization: Cement – Preparation

Product Use Description: Surface applied concrete waterproofing coating

Section 2 - Hazards Identification

GHS Classification:

Skin irritation, Category 2 H315: Causes skin irritation (alkaline when moistened)

Serious eye damage, Category 1 H318: Causes serious eye damage

Respiratory system; Category 3H335: May cause respiratory irritation

Carcinogenity, Category 1A H350: May cause cancer

GHS Label element:

Hazard Pictograms

Signal Word: Danger

Hazard Statements:

H315: Causes skin irritation (alkaline when moistened).

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H350: May cause cancer.

Precautionary Statements:

Prevention:

P264: Wash skin thoroughly after handling.

P280: Wear eye protection/face protection.

P280: Wear protective gloves.

P281: Use protective equipment as required.

Response:

P302 + P352: IF ON SKIN: Wash with plenty of water.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned. Get medical advice/attention.

P332 + P313: IF skin irritation occurs” Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

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Storage:

P403 + P232: Store in a well-ventilated place. Protect from moisture.

Disposal:

P501: Dispose of contents/container to an approved waste disposal site.

P502: Refer to manufacturer/supplier for information on recovery/recycling.

Section 3 – Composition / Information on Ingredients

Product based on cement and mineral filler.

Hazardous Components	CAS No.	TLV	PEL	Weight %
Portland Cement	65997-15-1	10 mg/m ³	5 mg/m ³	25 – 50
Crystalline Quartz Silica (SiO ₂)	14808-60-7	0.05 mg/m ³	0.1 mg/m ³	40 – 75

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence not require reporting in this section.

Section 4 – First Aid Measure

After Inhalation: Remove subject to fresh air. Administer oxygen if difficulty with breathing. Consult a physician.

After Ingestion: Immediately seek medical attention. Do not induce vomiting without medical advice. If Conscious, drink plenty of water.

After Skin Contact: Instantly wash skin with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if symptoms persist.

After Eye Contact: Rinse opened eye with plenty of running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Consult physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: Carbon dioxide (CO₂), extinguishing powder, water fog, alcohol-resistant foam.

Special Fire Fighting Procedures: As in any fire, wear full protective gear and NIOSH-approved self contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards. Material can splatter above 2120F (1000C)

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Section 6 – Accidental Release Measures

Person-related Safety Precautions: Avoid causing dust. Avoid eye and skin contact.

Environmental precautions: Prevent material from reaching sewage and drainage systems or bodies of water.

Methods for Cleaning up: Use dry cleanup methods that do not disperse dust into the air. With water, material hydrates to a solid harmless waste. Wear personal

Section 7 – Handling and Storage

Handling: Avoid causing dust. Avoid eye and skin contact. Keep out of reach of children.

Storage: Store in a cool, dry enclosed area off the ground in tightly closed containers. Protect against wetness and water. No special measures required against explosion and fires. Store away from foodstuffs.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Use with adequate general and local exhaust ventilation. Washing of the skin in the working area must be possible. Eye-wash bottle must be available.

Respiratory Protection: Wear a properly fitted NIOSH approved respirator in poorly ventilated areas and/or if high dust concentrations are encountered.

Skin Protection: When installing, wear appropriate protective rubber or plastic gloves to prevent

hand-skin exposure. Wear appropriate impervious clothing to prevent skin exposure (long sleeve shirt and long pants).

Eye Protection: Wear tightly sealed safety glasses with side shields or goggles. Face shield as necessary.

Work/Hygienic Practices: Wash hands before breaks and after work, and before eating, drinking or smoking.

Section 9 – Physical and Chemical Properties

Physical State: Powder

Appearance/Color: Cement (gray or white)

Odor: Weak, characteristic

Solubility in water: Fully miscible

Boiling Point: N/A

Melting Point: N/A

Flash Point: Not combustible

Auto ignition: N/A

Bulk Density: approx. 1.4 kg/dm³

pH (in water): 11 – 13.5 (Alkaline)

VOC Concentration: 0 g/l

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Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Avoid contact with humidity. Product hydrates (hardens) and becomes unusable.

Hazardous Decomposition Products: No decomposition if used according to specifications.

Hazardous Polymerization: Will not occur.

Incompatibilities: None known.

Section 11 – Toxicological Information

Acute Inhalation Toxicity:

Product	Type	Value
Silica, crystalline quartz	LC50	no data available
Portland cement	LC50	no data available

Acute Oral Toxicity:

Silica, crystalline quartz	LC50 (Oral)	1,300 mg/kg
Portland cement	LC50 (Oral)	2,000 mg/kg

Acute Dermal Toxicity

Silica, crystalline quartz	LC50 (Dermal)	no data available
Portland cement	LC50 (Dermal)	no data available

Primary Irritant Effect:

On the skin: Irritant for skin and mucous membranes

On the eye: Irritant effect

Sensitization: No sensitizing effect known.

Section 12 – Ecological Information

Ecological Information: The unused product is slight water pollutant. Large quantities may be toxic to fish. Do not allow undiluted product or large quantities to reach into waterways or drain.

Section 13 – Disposal Considerations

Waste Disposal Method: Dispose of in a manner consistent with federal, state and local regulations. Do not dispose together with household garbage. Do not allow product to reach sewage system.

Unused Residue or Dry Spillage: Pick up dry material. Possibly reuse depending on amount of contamination. Prevent dust exposure. In case of disposal, harden with water and dispose in accordance to local regulations.

Slurries: Allow to harden and dispose of as described above.

Container disposal: Completely emptied packaging can be given for recycling.

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Section 14 - Transport Information

RCRA Hazard Class: Non-hazardous
USDOT (Domestic Surface) Not regulated
IMDG (Ocean) Hazard Class or Division: Not regulated
IATA/ICAO (Air) Hazard Class or Division: Not regulated
TDG (Canada): Not regulated
UN Number: Not listed

Section 15 - Regulatory Information

SARA 311/312 (RTK): Hazard Categories:

Acute Health: YES

Chronic Health: YES

SARA Section 313 Notification: This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 or CFR 372.

CERCLA: No CERCLA chemicals exist in this product above reportable concentrations.

TSCA Section 12(b) Export Notification: There are no reportable TSCA 12(b) Chemicals in this product.

State Regulations:	State RTK	CAS Number	Chemical name
	MA, NJ, PA	65997-15-1	Cement, Portland, chemicals
	MA, NJ, PA	14808-60-7	Silica, crystalline quartz

California Proposition 65: Warning – This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm:

CAS 14808-60-7: Silica, crystalline quartz.

Section 16 - Other information

Ecological Information: The unused product is slight water pollutant. Large quantities may be toxic to fish. Do not allow undiluted product or large quantities to reach into waterways or drain.

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Section 16 – Other information

(Hazard Rating: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; * = Chronic)

HMIS III rating:

Health: 3* Flammability: 0 Physical hazard: 0

Abbreviations and acronyms:

USDOT: United States Department of Transportation.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

SDS prepared by: Costar product safety department

LEGAL NOTE:

Costarchem products are manufactured and sold in line with standard terms and conditions.

The details based on application and end- use of our products are given to our best technical knowledge, as this takes into note the handling, storage and application process which should be in accordance with Costar's stipulations.

While Costar ensures that product application advice or recommendations it gives is accurate because it has no direct or continuous control over where or how its products are applied, cannot accept any liability either directly or indirectly arising from the use of its products.

The user is responsible for checking and testing the suitability of products for their intended application and purpose and use.

The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery.

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