

PRODUCT SAFETY DATA SHEET KRYSTAL 2000

Section 1 - Product Identification

IDENTITY: Product Name: Krystal 2000

Chemical Characterization: Cement – Preparation

Product Use Description: Liquid crystalline waterproofing additive / admixture for concrete

Section 2 - Hazards Identification

GHS Classification:

Skin irritation, Category 2 H315: Causes skin irritation

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

Respiratory system; Category 3 H335: May cause respiratory irritation

Carcinogenity, Category 1A H350: May cause cancer

GHS Label element:

Hazard Pictograms

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation

H318: Causes serious eye damage.

H335: May cause respiratory irritation

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

Hazardous Components	CAS No.	TLV	PEL	Weight%
Water based solution of inorganic alkaline earth mineral compounds. 10 – 30.				
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 212°F (100°C).

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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 clean up methods that do not disperse dust into the air. With water, material hydrates to a solid harmless waste. Wear personal protective equipment. Emergency procedures are not required.

Section 7 - Handling and Storage

Handling: 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

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.

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Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance/Color: Transparent blue

Odor: Odorless

Solubility in water: Miscible

Boiling Point: 1000C (2120F)

Melting Point: N/A

Flash Point: Not combustible

Auto ignition: N/A

Bulk Density: approx. 1.15 kg/dm³

pH (in water): 11 – 13.5 (Alkaline)

Viscosity, dynamic: 4 – 7 mPas (4-7 cps) Brookfield-LV #61/100 RPM at 20° C (68° F)

VOC Concentration: 0 g/l

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Exposure to low temperature and freezing.

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: LD50 2,800mg/Kg (rat)

Acute Dermal Toxicity: LD50 >2,000 mg/kg (rabbit)

Primary Irritant Effect:

- On the skin: Irritant for skin and mucous membranes
- On the eye: Irritant/corrosive 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.

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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 Spillage: Pick up wet or dry material. In case of disposal, harden liquid material with cement or concrete and dispose in accordance to local regulations

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

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: This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

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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: 1* 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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