

Supplier: WaterCrystals.Com
c/o Tandem Marketing Corporation
4345 Beverly Street, Suite G
Colorado Springs, CO 80918-5916

Water Crystals™

Revision Date: 07/30/02

Material Safety Data Sheet

SECTION 1. PRODUCT IDENTIFICATION

Trade Name: Water Crystals PC3005K2; Granule 0.85-2.0 mm (dry size)

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Identificaiton of the preparation: Superabsorbent polyacrylamide

Identification of the substance: Cross-linked acrylic copolymer

SECTION 3. HAZARDS IDENTIFICATION

The product when wet renders surfaces extremely slippery.

The product swells in water.

SECTION 4. FIRST AID MEASURES

Ingestion: The product is not considered toxic based on studies on laboratory animals. Do not give an emetic unless directed by a physician. Never give anything by mouth to an unconscious person.

Skin: No hazards which require special first aid measures. Remove contaminated clothing and launder before reuse. Wash affected area with soap and water.

Inhalation: No hazards which require special first aid measures. Remove to fresh air

Eyes: Immediately flush eyes with water for at least 15 minutes. Rinse thoroughly with plenty of water, also under eyelids. In case of persistent irritation, consult a physician.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, water spray, foam, carbon dioxide (CO₂), dry powder.

Fire extinguishing agents to avoid: None

Special fire-fighting precautions: The product when wet renders surfaces extremely slippery. The product swells in water.

Protective equipment for firefighters: No special protective measures against fire required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: Do not contaminate water.

Methods for cleaning up: Clean thoroughly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

SECTION 7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of the workday.

Storage: Keep in a dry, cool place (0-35-deg C)

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protection equipment

- **Respiratory protection:** Dust safety masks are recommended where concentration of total dust is more than 10 mg per cubic meter.
- **Hand protection:** Gloves are recommended.
- **Eye protection:** Safety glasses with side-shields. Do not wear contact lenses.
- **Skin protection:** No special protective clothing required.

Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Granular solid
Color:	White
Odor:	Odorless
Melting point (°C)	Not applicable
Flash point (°C)	Not applicable
Autoignition temperature (°C)	Not applicable
Vapor pressure (mm HG)	Not applicable
Water solubility:	Insoluble
Viscosity (mPs s):	
Bulk density:	

SECTION 10. STABILITY AND REACTIVITY

Stability: Product is stable. No hazardous polymerization will occur.

Conditions to avoid: No special precautions required.
The product swells in water.

Hazardous decomposition products: Thermal decomposition may produce: hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NOx), carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

- **Oral:** Not toxic: LD50/oral/rat > 5000 mg/kg
- **Dermal:** Not toxic: LD50/dermal/rabbit > 2000 mg/kg

Irritation

- **Skin:** Not irritating
- **Eyes:** Moderate eye irritation due to effects all powders have in common

Sensitization: Not sensitizing

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity:**

- **Hydrolysis:** Does not hydrolyze
- **Fish:** Aquatic toxicity is unlikely due to low solubility
- **Algae:** Aquatic toxicity is unlikely due to low solubility
- **Daphnia:** Aquatic toxicity is unlikely due to low solubility
- **Bioaccumulation:** Does not bioaccumulate
- **Persistence / Degradability:** Not readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

- Waste from residues / unused products:** In accordance with federal, state and local regulations.
- Contaminated packaging:** Can be landfilled or incinerated, when in compliance with local regulations.

SECTION 14. TRANSPORTATION INFORMATION

Not regulated by DOT.

SECTION 15. REGULATORY INFORMATION

All components of this product are on the TSCA and DSL inventories.

- RCRA status:** Not a hazardous waste
- Hazardous waste number:** Not applicable
- Reportable quantity (40 CFR 302):** Not applicable
- Threshold planning quantity (40 CFR 355):** Not applicable

Information: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains a chemical(s) known to the State of California to cause cancer: residual acrylamide.

HMIS & NFPA RATINGS	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0

SECTION 16. OTHER INFORMATION

The information provided in this Safety Data sheet is correct to the best of our knowledge, information and belief at the time of its publication. The information given is designed as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

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Person to contact: Regulatory Affairs Manager