



Water Softener SAFETY DATA SHEET

Crystal Quest® Manufacturing
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Phone: 800-934-0051

1. General Information

Name	CAS #	Weight (%)
Ceramic	Not hazardous	10
Modified Acrylic Polymer	Not hazardous	90

General Information:

The product contains Polymer.

The components are not hazardous or are below required disclosure limits.

Name	CAS #	Concentration
Benzene, diethenyl-,polymer with ethenylbenzene and Ethenylethylbenzene, sulfonated, sodium salts	69011-22-9	40% - 60%
Water	7732-18-5	40% - 60%

2. Hazards Identification

Emergency Overview Physical State:

Solid (Bead).

Color:

Not Applicable.

Odor:

Not Applicable Low hazard for usual industrial or commercial handling by trained personnel.

Potential Health Effects Inhalation:

Limited inhalation hazard at normal work temperatures.

Eye Contact:

May cause temporary eye irritation.

Skin Contact:

May be slightly irritating to the skin.

Ingestion:

Under normal conditions of intended use, this material does not pose a risk to health; however, ingestion may cause irritation and malaise.

Chronic Health Effects:

No other specific acute or chronic health impact noted.

Target Organ(s):

Eye and skin.

Potential Physical or Chemical Effects:

This product is not flammable.

OSHA Regulatory Status:

This product is not hazardous according to OSHA 29 CFR 1910.1200.

Environment:

The environmental hazard of the product is considered to be limited.

3. First Aid Measures

Inhalation:

No specific first aid measures noted.

Eye Contact:

Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if any discomfort continues.

Skin Contact:

Wash skin with soap and water.

Ingestion:

Immediately rinse mouth and drink plenty of water (200-300 ml). Large quantities; get medical attention if irritation develops or persists.

4. Fire Fighting Measures

Extinguishing Media:

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable Extinguishing Media:

Not Applicable.

Special Firefighting Procedures:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Unusual Fire & Explosion Hazards:

None known.

Protective Measures:

Selection of respiratory protection for firefighting; follow the general fire precautions indicated in the workplace.

Flammability Class:

NFPA Rating Fire = 1

5. Accidental Release Measures

Personal Precautions:

In case of spills, beware of slippery floors and surfaces. See Section 7 of the MSDS for PPE.

Spill Clean-up Methods:

Sweep up spilled substances and remove to safe place. Do not discard onto the ground or into water courses. Collect and dispose of spillage as indicated in Section 12 of the MSDS.

6. Handling and Storage

Handling:

Avoid contact with eyes and prolonged skin contact. See Section 7 of the MSDS for Personal protective equipment (PPE). Observe good industrial hygiene practices.

Storage:

Store at temperatures above 0° C (32° F). Store at a temperature below 40° C (104° F). Keep in original container. Keep container tightly closed to prevent the loss of water. Store away from incompatible materials.

7. Control Measures and Personal Protection

Exposure Limits:

No exposure limits noted for ingredient(s).

Engineering Controls:

Provide adequate ventilation.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: High-efficiency particulate respirator.

Eye protection:

Risk of contact; wear approved safety goggles.

Hand Protection:

Risk of contact; wear protective gloves. Suitable gloves can be recommended by the glove supplier.

Skin Protection:

Risk of contact; use skin protection. It is good industrial hygiene practice to minimize skin contact.

Hygiene Measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls:

Environmental manager must be informed of all major spillages.

8. Physical and Chemical Properties

Color:	N/A
Odor:	N/A
Odor Threshold:	N/A
Physical State:	Solid (bead)
pH:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Boiling Point:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Flammability Limit-Upper (%):	N/A
Flammability Limit-Lower (%):	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Specific Gravity:	N/A
Solubility in Water:	Insoluble
Solubility (other):	N/A
Partition Coefficient (n-Octanol/water):	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A

9. Stability and Reactivity

Stability:

Material is stable under normal circumstances.

Conditions to Avoid:

Avoid heat.

Incompatible Materials:

Strong oxidizing agents. Nitric acid.

Hazardous Decomposition Products at Elevated Temperatures:

Benzene compounds, carbon oxides, styrene, and sulfur oxides.

Possibility of Hazardous Reactions:

Will not occur.

10. Toxicological Information

Listed Carcinogens:

None.

Acute Toxicity:

No additional adverse health effects noted.

Chronic Toxicity:

No data available.

11. Ecological Information

Ecotoxicity:

No data available.

Mobility:

The product is insoluble in water and will sediment in water systems.

Persistence and Degradability:

The product is not readily biodegradable.

Bioaccumulation Potential:

Potential to bioaccumulate is low.

Other Adverse Effects:

No data available.

12. Disposal Considerations

General Information:

Dispose of waste and residues in accordance with local authority requirements.

Disposal Methods:

No specific disposal method required.

Container:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

13. Transport Information

DOT: Not regulated

TDG: Not regulated

IATA: Not regulated

IMDG: Not regulated

13. Transport Information

Canadian Controlled Products Regulations:

This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33 and the SDS contains all required information.

WHMIS Classification:

This is not a WHMIS controlled product

Mexican dangerous Statement:

This product is not dangerous according to Mexican regulations

Applicable International Laws and Regulations:

This mixture is exempted from registration according to the provisions of Title II and VI and Article 2(9) of REACH

Inventory Status:

This product or all components are listed or exempt from listing on the following inventory: TSCA, DSL

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CERCLA Hazardous Substance List (40 CFR 302.4):
Not regulated.

SARA Title III:
Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated
Section 313 Toxic Release Inventory (40 CFR 372): Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
Not regulated

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):
Not regulated

TSCA:
TSCA Section 4(a) Final Test Rules & Testing Consent Orders: Not regulated
TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt. E): Not regulated
TSCA Section 5(e) PMN-Substance Consent Orders: Not regulated
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated

State Regulations:
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): Not regulated
Massachusetts Right-To-Know List: Not regulated
Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act 451 of 1994)): Not regulated
Minnesota Hazardous Substances List: Not regulated
New Jersey Right-To-Know List: Not regulated
Pennsylvania Right-To-Know List: Not regulated
Rhode Island Right-To-Know List: Not regulated

16. Other Information

Hazard Ratings

NFPA

Health Hazard	1
Fire Hazard	1
Instability	0
Special Hazard	0

0-minimal; 1-slight; 2-moderate; 3-serious; 4-severe

HMIS

Health Hazard	1
Flammability	1
Physical Hazard	0
Personal Protection	--

0-minimal; 1-slight; 2-moderate; 3-serious; 4-severe

The information provided in this SDS is based on current knowledge about the product as well as current legal requirements and standards. It relates specifically to health, safety and environmental requirements and standards, may not identify all hazards associated with the product or its uses. It does not signify any warranty with regard to the properties of the product and only applies when the product is used for the purposes indicated. This product is not sold as suitable for any other purposes and such other usage or misuse of the product may cause risks not mentioned in this SDS.