



Akona Manufacturing, LLC.
A TCC Materials Company
2025 Centre Pointe Boulevard, Suite 300
Mendota Heights, MN 55120-1221

Emergency Telephone Number:
651-688-9116
Information Telephone Number
651-905-8137

Revision Date
March 2014

Section 1: Product Identification

Product Type: Waste Water Hardener

Akona Product Name:

Congelz Waste Water Hardener

Section 2: Hazard Identification

| HAZARDOUS INGREDIENTS/IDENTITY INFORMATION | | |
|---|----------|-----------|
| Components | OSHA PEL | ACGIH TLV |
| Sodium Polyacrylate, Crosslinked | NE | NE |
| CAS Number: 9003-04-7 | | |
| Post Treated-Trade Secret | NE | NE |
| Natural nontoxic mineral | NE | NE |
| The components of this product are not regulated as hazardous under 29 CFR and 49 CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. | | |

Section 3: Hazardous Ingredients/Composition

| HAZARDS IDENTIFICATION | |
|--|--|
| Physical state & appearance | A granular, odorless powder that forms a gel-like material when mixed with water. |
| Potential Acute Health Effects | |
| Eyes | Contact may cause burning, itching, drying and other discomfort. |
| Skin | Contact may cause mechanical abrasion irritation and drying of skin. |
| Inhalation | Inhalation of the dust may cause mechanical irritation to the respiratory tract and may aggravate existing respiratory conditions. |
| Ingestion | Seek medical attention should any adverse symptoms occur. |
| HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 | |
| Hazard Scale: 0=Minimal 1=Slight | |

Section 4: First Aid Measures

| FIRST AID MEASURES | |
|---------------------------|--|
| Product inhalation | Remove to fresh air. If not breathing give artificial respiration. If breathing is Difficult give oxygen. Contact a physician. |
| Product in eye | Flush thoroughly with large amounts of water for at least fifteen minutes. If Irritation persists consult a physician. |
| Product ingestion | If adverse symptoms appear, consult a physician. |
| Product on skin | Wash skin with soap and water. |



Section 5: Fire Fighting Measures

| FIRE-FIGHTING MEASURES | |
|----------------------------------|---|
| <i>Auto-ignition temperature</i> | N/A |
| <i>Flash Points</i> | N/A |
| <i>Flammable Limits</i> | N/A |
| <i>Fire-fighting Media</i> | Material is not Combustible. Use extinguishing media suitable for other combustible materials in the area. Use caution after contact with water as slippery conditions will result. |
| <i>Protective Clothing</i> | Fire fighters should be equipped with self-contained breathing apparatus. Under fire conditions irritating and/or toxic aerosol or gases may be present. |
| <i>Hazards</i> | None known. |

Section 6: Accidental Release Measures

| ACCIDENTAL RELEASE MEASURES | |
|-----------------------------|---|
| <i>Personal protection</i> | See section #8 Personal Protection / Exposure Controls |
| <i>Spillage</i> | Vacuum or scoop up spilled material and dispose of in appropriate waste container. If dust is generated, use appropriate respiratory protection. |
| <i>Waste Disposal</i> | Waste material can be buried in an approved landfill in accordance with Federal, State, and Local environmental regulations. According to 40 CFR, Part 261 of the Resource, Conservation and Recovery Act (RCRA), this product is not classified as a hazardous material. |

Section 7: Handling and Storage

| HANDLING AND STORAGE | |
|----------------------|---|
| <i>Handling</i> | Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly after handling. |
| <i>Storage</i> | Store dry at ambient temperature away from food and beverages. |

Section 8: Exposure Controls/Personal Protection

| PERSONAL PROTECTION / EXPOSURE CONTROLS | |
|---|---|
| <i>Engineering Control Measures</i> | |
| <i>Personal Protection</i> | |
| <i>Eyes</i> | Safety glasses with side shields or goggles |
| <i>Ventilation</i> | Use local ventilation if dusting is a problem. The manufacturer recognizes the potential for respiratory tract irritation and recommends an eight hour exposure limit of 0.05 mg/m ³ . |
| <i>Respiratory</i> | NIOSH approved for dusts and mists. Do not exceed use limits of the respirator. |
| <i>Hands</i> | Rubber, cloth, or plastic gloves if appropriate for job conditions. |
| <i>Other</i> | Eye wash stations and washing facilities should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products. |



Section 9: Physical and Chemical Properties

| PHYSICAL AND CHEMICAL PROPERTIES | |
|--|----------------------------|
| <i>Appearance</i> | Granular Powder Mixture |
| <i>Odor</i> | Odorless |
| <i>Molecular Mass</i> | N/A |
| <i>pH</i> | 5 – 6 (1% in water) |
| <i>Boiling Point/range</i> | N/A |
| <i>Melting Point/range</i> | Greater than 390 degrees F |
| <i>Flash Point</i> | N/A |
| <i>Flammable Limits</i> | N/A |
| <i>Explosive Properties</i> | N/A |
| <i>Vapour Pressure</i> | N/A |
| <i>Relative Vapour Density (air = 1)</i> | N/A |
| <i>Odour Threshold</i> | Odorless |
| <i>Specific Gravity</i> | Approx 0.97 g/ml |
| <i>Solubility – water</i> | Essentially Insoluble |
| <i>Viscosity</i> | N/A |

Section 10: Stability and Reactivity

| STABILITY AND REACTIVITY | |
|---|----------------------------|
| <i>Stability & Reactivity</i> | This is a stable material. |
| <i>Conditions to Avoid</i> | None known. |
| <i>Incompatible Materials</i> | None known. |
| <i>Hazardous Decomposition Products</i> | None known. |
| <i>Hazardous Polymerisation</i> | Will not occur. |

Section 11: Toxicological Information

| TOXICOLOGICAL INFORMATION | |
|------------------------------|---|
| <i>Acute Animal Toxicity</i> | |
| <i>Oral</i> | LD50: 40mg/kg (Rat) Sodium polyacrylate |
| <i>Dermal</i> | Data not established for product. |
| <i>Inhalation</i> | Data not established for product. |
| <i>Chronic Effects</i> | Data not established for product. |
| <i>Other Information</i> | |

Section 12: Ecological Information

| ECOLOGICAL INFORMATION | |
|------------------------|---|
| <i>Ecotoxicity</i> | Not available. |
| <i>Environmental</i> | Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems. They are compatible with incineration of municipal solid waste and small quantities will not affect the performance of wastewater treatment systems. |



Section 13: Disposal Considerations

| DISPOSAL CONSIDERATIONS | |
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|-------------------------|--|

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|-------------------------|--|
| <i>Disposal methods</i> | Material that cannot be recycled into your process should be landfilled in accordance with federal, state, and local environmental control regulation. |
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Section 14: Transportation

| TRANSPORT INFORMATION | |
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|--------------------------------|--|
| <i>Technical shipping name</i> | Sodium polyacrylate /mineral blended mixture |
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|---------------------------|--|
| <i>Freight class bulk</i> | |
|---------------------------|--|

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|------------------------------|--|
| <i>Freight class package</i> | |
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|----------------------|-------------|
| <i>Product Label</i> | Code number |
|----------------------|-------------|

| | |
|--------------------------|------|
| <i>DOT shipping name</i> | None |
|--------------------------|------|

| | |
|-------------------------|---------------|
| <i>DOT hazard class</i> | Non-Regulated |
|-------------------------|---------------|

| | |
|---------------------|------|
| <i>UN/NA Number</i> | None |
|---------------------|------|

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|-------------------------|------|
| <i>Product RQ (lbs)</i> | None |
|-------------------------|------|

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|------------------|---------------|
| <i>DOT Label</i> | Non-Regulated |
|------------------|---------------|

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|--------------------|---------------|
| <i>DOT placard</i> | Non-Regulated |
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|------------------------------|---------------|
| <i>IMO/IMDG code (Ocean)</i> | Non-Regulated |
|------------------------------|---------------|

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|-----------------------------|---------------|
| <i>ICAO/IATA code (Air)</i> | Non-Regulated |
|-----------------------------|---------------|

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|----------------------------------|---------------|
| <i>IATA – Subsidiary Risk(s)</i> | Not available |
|----------------------------------|---------------|

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|---------------------|------------------------|
| <i>Tremcard No.</i> | Non-regulated material |
|---------------------|------------------------|

Section 15: Regulatory Information

No additional regulatory information is known.

Section 16: Other Information

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

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