



8115 Loop 540, Beasley, TX 77417
Toll Free: 1-855-FINORIC (1-855-346-6742)
Email: info@finoric.com • www.finoric.com

CX-14 Water based Delayed Cross Linker SDS GHS, Safety Data Sheet **MSDS Sheet, Material Safety Data Sheet**

1. Product Identification

Product Name/Synonyms: CX-14, Water based Delayed Cross Linker.

CAS No.: Mixture

Recommended uses and uses advised against (if any): Fracturing and Industrial Manufacturing Use.

SUPPLIER

Company: Finoric LLC

Address: 8115 Loop 540, Beasley, Texas, 77417 USA

In case of emergency contact:

InfoTrac

US: 1-800-535-5053

International: 352-323-3500

2. Hazards Identification

GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910
Classification according to Regulation (EC) No 1272/2008

Serious eye damage/eye irritation Category 2A

Reproductive toxicity Category 1A, 1B

Labeling according to GHS USA & Regulation (EC) No 1272/2008



Signal Words: Danger

Hazard Statements:

H319: Causes serious eye irritation.

H360: May damage fertility or the unborn child.



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Precautionary Statements:

P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash contaminated parts thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
P337+313: If eye irritation persists get medical advice/attention.
P308+313: IF exposed or concerned: Get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/national regulation.

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

Hazard Symbols:

T Toxic,

Xn Harmful

Risk Phrases:

R36 Irritating to eyes

R60 May impair fertility.

R61 May cause harm to the unborn child.

3. Composition/Information on Ingredients

Ingredient-1: Sodium Borate or Borax or Sodium Tetraborate Borates, Tetra, Sodium Salts

EINECS EC Number: 215-540-4

CAS No.: 1303-96-4 (Decahydrate)

Percentage: 25-45%

Ingredient-2: Carbohydrate

CAS No.: Proprietary non Hazardous

Percent: 40-60%

Ingredient-3: Water and Non-hazardous additives.

4. First Aid Measures

Always seek medical attention after first aid measures are provided.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.



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Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

5. Fire Fighting Measures

Fire: Not a fire hazard.

Fire Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Personal precautions, protective equipment, environmental precautions and emergency procedures: Avoid breathing dust/fumes/gas/mist/vapors/spray. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Restrict unprotected personnel from the area. Prevent any contact with hot surfaces. Do not approach facing the wind. Do not touch the spilled material. Keep away from drains, surface and groundwater and soil.

Methods and materials used for containment Cleanup procedures and Storage:

Small Spill: For small spills use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to legal requirements.

Large Spill: Contain spilled material. Soak up with inert absorbent material and dispose of as hazardous waste. Use a shovel to put into a convenient waste disposal container. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Wash thoroughly after handling. Do not drink, eat or smoke while handling. Avoid breathing dust/fumes/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Prevent any contact with hot surfaces. Containers of this material may be hazardous when empty since they retain product residues.

Conditions for safe storage, including any incompatibilities: Store in cool, dry and ventilated area away from heat sources and protected from sunlight in tightly closed original container. Keep air contact to a minimum. Store protected from heat, sparks and ignition sources and incompatible materials. Avoid contact with skin and eyes. Avoid inhalation of dust/mist/vapor. Do not store with incompatible materials like acids, alkaloids, and metallic salts. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection



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Airborne Exposure Limits for Borax:

Sodium Tetraborate Decahydrate (1303-96-4)

USA ACGIH, ACGIH TWA (mg/m³), 2 mg/m³

USA ACGIH, ACGIH STEL (mg/m³), 6 mg/m³

Sodium borate USA (OSHA) TWA 10 mg/m³

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved): If the exposure limit is exceeded and engineering controls are not feasible, a full face piece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Clear Liquid

Odor: Odorless

Odor threshold: Not available.

pH: 6-8

Relative density: Approximately 1.1 to 1.3

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Upper/lower flammability or explosive limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Partition coefficient: n-octanol/water: Not available.

Solubility in Water: miscible

Viscosity: Not available.



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10. Stability and Reactivity

Stability: It is stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Toxic gases and vapors may be released in a fire.

Hazardous Polymerization: Will not occur.

Incompatibilities: Acids, alkaloids, and metallic salts.

Conditions to Avoid: Incompatibles.

11. Toxicological Information

Borax: Oral rat LD50: 2660 mg/kg. Investigated as a mutagen, reproductive effector. Anhydrous: Investigated as a reproductive effector.

Tests on laboratory animals with borax indicate material may produce adverse mutagenic effects.

Carcinogenic Effects: Not a reported carcinogen by IARC NTP ACGIH OSHA.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Reproductive Effects: No information available.

12. Ecological Information

Toxicity to fish for Borax:

LC50 - Limanda: 74 mg/l - 96 h, EC50 Daphnia: 1085 mg/l

Environmental Fate: When released into the soil, this material may leach into groundwater.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused product in accordance with federal, state and local requirements.

14. Transport Information

US DOT & ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods.



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15. Regulatory Information

No significant information found.

16. Other Information

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Disclaimer:

The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
