



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: CCS - 15 Revision Date: 18 Feb 2015

Company: CLEAR CREEK SYSTEMS, INC
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Product Use: Specialty Grade Civil engineering Dewatering Polymer.

Hazard Statement: This material is classified as not hazardous under OSHA regulations

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification: Water-soluble anionic polyacrylamide polymer.

Regulated Components: None.

3. HAZARDS IDENTIFICATION

Aqueous solutions or powders that become wet render surfaces extremely slippery.

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention.

Ingestion: Rinse mouth with water. Do not induce vomiting. Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water. Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Precautions: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Special protective equipment for firefighters: No special protective equipment required.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: As with all chemical products, do not flush into surface water.

Methods for cleaning up: Do not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust.

Storage: Keep in a dry place. Storage temperature = -40°F - 122°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal protective equipment:

Respiratory protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³.

Hand protection: PVC or other plastic material gloves.

Eye protection: Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Granular solid

Color: White

Odor: None

pH: 6 - 8 @ 5g/L

Melting point/range (°C): Not applicable

Flash point (°C): Not applicable

Autoignition temperature (°C): Not applicable

Approx. bulk density: 0.6 - 0.9

Water solubility: Completely miscible

LogPow: ~0

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous polymerisation does not occur.

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Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products: Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50/oral/rat > 5000 mg/kg.

Dermal: LD50/dermal/rabbit > 5000 mg/kg.

Inhalation: The product is not expected to be toxic by inhalation.

Irritation:

Skin: Not irritating.

Eyes: Not irritating.

Sensitization: Not sensitizing.

Chronic toxicity: No chronic effects.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:

Toxicity to fish: LC50/Danio rerio (Zebra fish)/96 hours > 100 mg/L (OECD 203).

Toxicity to daphnia: LC50/Daphnia magna (Water flea)/48 hours > 100 mg/L (OECD 202).

Toxicity to algae: IC50/Scenedesmus subspicatus (Green algae)/72 hours > 100 mg/L (OECD 201).

Environmental fate:

Persistence and degradability: Not readily biodegradable.

Hydrolysis: Does not hydrolyse.

Bioaccumulation: Does not bioaccumulate.

LogPow: ~0

13. DISPOSAL CONSIDERATIONS

Waste from residues/ unused products: In accordance with local, state and federal regulations.

Resource Conservatoin and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261)

Contaminated packaging: Can be landfilled or incinerated, when in compliance with local, state and federal regulations. Rinse empty containers with water and use the rinse water to prepare the working solution.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

Not classified according to Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008].

Australia (AICS): All components of this product are either listed on the inventory or are exempt from listing.

USA (TSCA) : All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

Further information

17. WARRANTY/ DISCLAIMER

All information contained herein is provided in good faith and belief that it is correct and accurate to the best of our knowledge and understanding at the time of print. It is subject to change without notice and does not represent a product specification. All information is offered as guidance only for safe handling, use, storage & transportation, however, customers / users should always consider normal chemical safe handling practices and seek their own independent assessment of user / workplace risk as required by the relevant health & safety authorities. This information is applicable to the specific product described herein, and is not valid when the product is combined with other materials or used in any process. As CLEAR CREEK SYSTEMS is not in control of the products use and application, no warranty, either express or implied is offered for the product and /or its use.