BPC 68950

Reverse Osmosis Systems

BPC 68950 may be used to control bacteria and reduce biofouling in industrial membrane systems (reverse osmosis, ultrafiltration, microfiltration). Acceptable applications include reverse osmosis for the production of boiler makeup water, rinsing of electric utilities, and recycle water treatment in industrial processes. Do not discharge effluent containing this product to surface water bodies or storm drains. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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1. PRODUCT IDENTIFICATION

See Section 1.2 for complete listing of brands and concentrations.

2. HAZARDS IDENTIFICATION

Category: Flammable liquid

Flammable

Flammable

3. COMPOSITION/INFORMATION ON INGREDIENTS

BPC 68950 is a mixture of active ingredients, solvents, and stabilizers. The active ingredients include chlorine, bromine, or chlorine and bromine compounds. The solvents are typically water or alcohol-based. The stabilizers are typically agents that help to prevent degradation of the active ingredients.

4. first Aid

Inhalation: Move the person to fresh air. If the person is not responsive, call emergency services. If breathing is difficult or stopped, provide artificial respiration. If breathing has stopped, give CPR. If given by mouth, call a poison control center or a doctor immediately for treatment advice.

5. Fire Fighting

Use water or a dry chemical, carbon dioxide, or Class D dry chemical extinguisher to extinguish the fire. Do not use water or foam-type extinguishers. Avoid breathing dust or smoke generated by a fire.

6. Accidental Release Measures

Do not contaminate water, food or feed by storage or disposal. Do not contaminate water, food or feed by storage or disposal. If the product gets on skin, wash with soap and water. If the product gets in the eyes, rinse with water for at least 15 minutes. If the product gets in the mouth, do not induce vomiting. Do not eat or drink. Call a poison control center or doctor immediately for treatment advice.

7. Handling and Storage

Handle this product with care. Avoid skin and eye contact. Wear protective clothing, including goggles or face shield with safety glasses, and chemical-resistant gloves. Use in a well-ventilated area. Keep out of reach of children. Do not mix with other chemicals. Do not use in the presence of incompatible materials. Do not expose to heat or smoke. Use only as directed.

8. Exposure Controls/Personal Protection

Engineering controls: Provide with adequate exhaust ventilation to avoid exposure to airborne concentrations. Use with adequate ventilation to prevent inhalation. Provide with a dust respirator or a PAPR. Personal protective equipment: Use work gloves, eye protection, and a face shield when handling this product. Use personal protective equipment when cleaning up spills or containers. Do not use this product where risks of explosions or fires are present.

9. Physical and Chemical Properties

BPC 68950 is a colorless to pale yellow liquid with a characteristic odor. It is highly flammable and has a flash point of less than 100°F (37.8°C). It is soluble in water and organic solvents. It is used in a variety of industrial applications, including water treatment, firefighting, and oil recovery.

10. Stability and Reactivity

BPC 68950 is stable under normal storage and handling conditions. It is not reacts with water, but it can react with oxidizing agents to produce oxygen. It does not react with metals, but it can react with strong bases to produce toxic gases.

11. Toxicological Information

Acute oral toxicity: There is no evidence of acute oral toxicity for this product. The oral LD₅₀ for BPC 68950 in rats is greater than 5000 mg/kg. The oral LD₅₀ for BPC 68950 in rabbits is greater than 5000 mg/kg. The oral LD₅₀ for BPC 68950 in dogs is greater than 5000 mg/kg.

12. Ecological Information

BPC 68950 is not toxic to aquatic organisms. It is not persistent in water and it is not bioaccumulative. It is not expected to cause long-term effects to aquatic organisms. It is not expected to cause long-term effects to terrestrial organisms.

13. Disposal Considerations

Do not dispose of this product in the environment. It must be disposed of in an approved waste disposal facility. It may be disposed of in a landfill or incinerated. It cannot be incinerated in a municipal incinerator. It must be disposed of in a properly designed and operated incinerator.

14. Transport Information

BPC 68950 is classified as a flammable liquid. It must be handled and transported with care to avoid spills or leaks. It must be transported in a suitable container that is properly marked and labeled. It must be transported in a manner that is compatible with the hazardous materials it is being transported with.

15. Regulatory Information

BPC 68950 is regulated under the U.S. Toxic Substances Control Act (TSCA) and the U.S. Environmental Protection Agency (EPA) regulations. It is also regulated under the U.S. Department of Transportation (DOT) Hazmat regulations.

16. Other Information

BPC 68950 is a Schedule II controlled substance under the U.S. Controlled Substances Act (CSA). It is a Schedule II controlled substance under the U.S. Controlled Substances Act (CSA).

17. Certification

The product is certified by the National Fire Protection Association (NFPA) as having a flammability rating of 1, a health rating of 1, and an instability rating of 1.

18. Label Elements

The label for BPC 68950 includes the following elements: a hazard pictogram, a statement of hazard, and a statement of first aid instructions.

19. MSDS Information Sources

The MSDS for BPC 68950 is available from the supplier or from the manufacturer. It can also be obtained from the National Library of Medicine’s Toxicology Data Network (TDN) or from the U.S. Chemical Safety and Hazard Investigation Board (CSB) website.

Read Product Material Safety Data Sheet prior to use. PRODUCT WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY ARE FOUND IN THE CORPORATE POLICY MANUAL. The use of this product is also subject to the provisions of any pertinent federal, state, or local laws and regulations.