

EKO POWER 520 Technical Information Sheet

Product Overview:

EKO POWER 520 is a highly effective DBNPA-based biocide and disinfectant specifically formulated for reverse osmosis (RO) systems. It provides superior microbial control, ensuring optimal system performance and longevity.

Applications:

Designed for use in RO systems to control microbial growth.

Effective as a broadspectrum biocide and disinfectant in various industrial water treatment applications.

Suitable for use in food and beverage processing facilities, ensuring compliance with hygiene standards.

Features and Benefits:

- **Rapid Action:** Quickly eliminates bacteria, fungi, and algae, ensuring immediate protection.
- **Broad Spectrum Efficacy:** Effective against a wide range of microorganisms, including biofilm-forming species.
- **Non-Oxidizing:** Ensures compatibility with RO membranes and other system components.
- **Environmentally Friendly:** Degrades rapidly into nontoxic byproducts, minimizing environmental impact.
- **Versatile Usage:** Can be used in continuous or intermittent dosing programs.

Physical and Chemical Properties:

1. **Active Ingredient:** DBNPA (2,2Dibromo3nitrilopropionamide)
2. **Appearance:** Clear to slightly yellow liquid
3. **Odor:** Mild
4. **pH (1% Solution):** 2.0 - 5.0
5. **Solubility:** Fully soluble in water

Dosage and Application:

Dosage Range: 50-200 ppm, depending on system requirements and microbial load.

Application Method: Can be applied directly to the RO feed-water or recirculation line using a suitable metering pump.

Frequency: Continuous or shock dosing as determined by system monitoring and microbial analysis.

Handling and Safety:

1. **Personal Protective Equipment (PPE):** Wear gloves, safety goggles, and protective clothing when handling the product.
2. **Storage:** Store in a cool, dry place away from direct sunlight and incompatible materials.
3. **Shelf Life:** 12 months from the date of manufacture when stored in original, sealed containers.

Environmental and Regulatory Information:

Biodegradability: Rapidly biodegradable, minimizing environmental persistence.

Regulatory Compliance: Complies with relevant industry standards and regulations for biocides and disinfectants.

Packaging:

Available in 5kg, 25 kg, 200 kg, and 1000 kg containers.

Technical Support:

For additional information or assistance with application and dosage, please contact our technical support team.

Ecocare Technologies Pvt Ltd

Enhancing Food Safety and Conserving Resources

Note: This technical information sheet provides general guidelines. For specific recommendations, please consult with an Ecocare Technologies representative.