DB-20 *Antibacterial Agent and Preservative*

Introduction to the product

DB-20 antimicrobial agent and preservative is a liquid bactericide containing 20% of DBNPA (2.2-dibromo-3-cyanopropionamide), used to prevent the growth and reproduction of bacteria and algae in paper, industrial circulation cooling water, lubricating oil for machinery, pulp, wood, paint and plywood. DBNPA molecule can quickly penetrate the microbial cell membrane and act on certain protein groups to terminate the normal redox of the cell. Its branches can also selectively brominate or oxidize the special enzyme metabolites of microorganisms, eventually cause cell death and reach the antibacterial and antiseptic purposes.

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Appearance	Colorless to light amber liquid
Density (20℃, g/cm^3)	1.2±0.1
Content of active ingredient (%)	20
pH (1% aqueous solution)	≤5.0

Product usage

DB-20 is widely used as bactericide, algaecide, and slime stripper in the circulation cooling water system, oil-field flooding system and paper making industry; as preservative in paints, wax products, ink, detergent, surfactant, slurry and resin; and as bactericide and algaecide in process water machinery manufacturing industry, air purifier system, and municipal water landscape.

Method of use

1. When used as water treatment slime stripper, the dosing concentration of DB-20 is 100-200mg/l;
2. When used as water treatment bactericide for circulation cooling water system, the dosage of DB-20 is 50-100mg/l according to the holding capacity;
3. When used for membrane contamination control: please refer to DB-20 reverse osmosis membrane bactericide;
4. Note: Please consult Leap Industry service engineers for its application in other fields.

Packaging and storage

It is packed in 25kg, 200kg or 1IBC polypropylene plastic drum. It shall not be exposed to sunlight or rain during transportation. It shall be stored in a ventilated and dry place below 40℃. It shall be protected from freezing, heating or direct sunlight. It has a shelf life of six months under the required storage conditions.

Leap 辽宁力普工业技术有限公司
力 普 工 业 Liaoning Leap Industry Technology Co.,Ltd
Adders:No.8,Zhongke Street,shenfu Reform and Innovation Demonstration Zone,liaoning http://www.lnleap.com E-mail: lnleap@263.net
Tel：86 24 56607499 Fax：86 24 56607199