

# KR-318B Poly(Dimethylamine-Co-Epichlorohydrin)

CAS No. 25988-97-0/39660-17-8

Molecular Formula: (C<sub>5</sub>H<sub>12</sub>ClNO)<sub>n</sub>

## Properties:

[KR-318B](#) Poly(Dimethylamine-Co-Epichlorohydrin) is a new high-efficiency, broad-spectrum non-oxidizing quaternary ammonium salt. No secondary pollution, friendly to the environment. Good stability, easy to use, long duration of efficacy, the killing effect is not affected at the water injection temperature of the oilfield (20 °C to 65 °C), it has a significant killing effect on sulfate-reducing bacteria, it has a good peeling effect on the biological slime and attachments of the equipment pipeline, and it has a good water purification effect of reducing turbidity.

The toxicity test, sterilization and algae killing test of various specifications, a variety of influencing factor tests, and the composite application test with a variety of water treatment agents proved that the new generation of polyhydroxypropyl dimethylammonium salt has the characteristics of high efficiency, broad spectrum, low toxicity and good water solubility. It can be compatible with non-ionic and cationic materials, and cannot be used at the same time as anions. This product is non-toxic, non-irritating and non-foaming, and can be used as a bactericidal algacide and stripping agent for swimming pools, spas, landscape water, and industrial circulating water, especially suitable for application in alkaline water. In addition, it has a certain corrosion inhibition effect on metal equipment and pipes of industrial circulating cooling water systems.

## Specification:

Items	Index	
Appearance	Clear, Colorless to pale yellow aqueous solution	Clear, Colorless to pale yellow aqueous solution
Solid content, %	40.0min	60.0min

pH (as it)	6.5-8.5	6.5-8.5
Density (20°C), g/cm <sup>3</sup>	1.05-1.15	1.15-1.25

## Usage:

[KR-318B](#) is directly dosed near the suction inlet of the pool pump, and should generally be dosed by impact. According to the system situation, the number of dosing times is appropriate once every 15 days or once every 30 days, and the concentration of each dosing is generally 20~100ppm.

## Package and Storage:

25L Drum, 200L drum, IBC, or customers' requirement. Storage for ten months in room shady and dry place.

## Safety Protection:

Avoid contact with eye and skin, once contacted, flush with water.

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