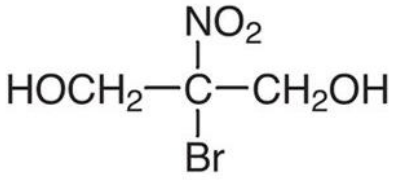
AquaGuard ® 920 2-Bromo-2-nitro-1,3-propanediol BNP

CAS NO.: 52-51-7 **structural formula:**

molecular formula: $C_3H_6BrNO_4$

Relative molecular mass: 199．99



Physico-chemical properties:

Colour	white - off white
Form	crystalline
Odour	odourless
Water solubility (23 °C)	ca. 280 g/l
Foaming characteristics (DIN 53902)	Non foaming (0.1 % in water)
VOC-Content to Directive 2004/42/EC	none
pH (10 g/l)	5 - 7

Indications for use:

General Information	HC-920 is fully effective both in anionic as well as cationic and non-ionic systems. High pH values (> pH 8.0) should be avoided. Acidic pH values have no negative influence on the effectiveness.
Solubility	Fully soluble in water and in most polar organic solvents.
Compatibility with sulphite ions	HC-920 is inactivated by sulphite ions. Excessive sulphite > 20 ppm must be avoided.
Recommended use pH range	3 - 8
Maximum use temperature	max. 40 °C
Additional advice	If possible, to be incorporated at an early stage during production. pH, temperature and redox conditions are to be taken into consideration. Avoid alkaline pre-solutions. Avoid secondary amines. Cleaning of equipment is possible by rinsing with water.

Precautionary Statements:

Corrosive. Causes eye and skin damage. May cause allergic skin reaction. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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