

Technical Data Sheet

**KAMACIDE I 20**

**Product Description** Non-Oxidizing Biocide

**Application** KAMACIDE I 20 is an extremely effective, non-oxidizing biocide based on Isothiazolinone (CMIT/MIT) and special stabilizers additives mixture. It is a broad-spectrum formulation for use against microbiological including bacteria, fungi and algae. It is also effective against aerobic and anaerobic microorganism . KAMACID I 20 with **very high power**, is the ideal Preservative for cosmetic and toiletry products and it is the excellent biocide in papermaking, pesticide and detergent. One of the most benefits about KAMACIDE I 20 is environmentally degradable.

**Typical Properties**

COMMON NAME	Isothiazoline and special stabilizers additives mixture	CHEMICAL FORMULA	CMIT/MIT
APPEARANCE	Colorless	SOLUBILITY IN WATER @ 20°C	Soluble
SPECIFIC GRAVITY	0.99+/- 0.03	pH AS SUPPLIED	3-4
FREEZING POINT	< -1°C	Thermal Stability	40-50°C

INSPECTION CHARACTERISTIC	RESULT
Appearance	Colourless transparent liquid
Density (20°C, g/cm <sup>3</sup> )	1.018
Methylchloroisoithiazolinone (%)	1.11
Methylisothiazolinone (%)	0.35

**Effectiveness**

KAMACIDE I20 has shown its effectiveness against the following microorganisms among others. The figures indicate the MIC of the active ingredient.

Fungus and yeasts	Bacteria
Candida albicans	Bacillus subtilis
Aspergillus niger	Escherichia coli
Saccharomices cerevisae	Pseudomonas aeruginosa
	Staphylococcus aureus
	Pseudomonas fluorescens

- Dosage** The optimum dosage depends on system characteristics and degree of contamination. KAMACIDE I 20 can be diluted and is fully miscible with water in all proportions.
- Health & Safety** KAMACIDE I 20 is an aqueous solution containing mixed stabilizer compounds. Avoid contact with skin and eyes.
- Handling** KAMACIDE I 20 should be handled with caution. Wear goggles and gloves. Avoid contact with skin, eyes and clothing. Spillage should be flushed with water.
- Packaging & Storage** KAMACIDE I 20 is packaged in a 55 US gallon (208 liter) drum or 5 US gallon (18.9 liter). Store in dry location away from sources of heat or ignition. The shelf life is 9 months under normal storage conditions.