



ELPROTECT – DCMX™ (2,4-Dichloro-meta Xylenol (DCMX))

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	White crystalline solid
Physical Form	White crystalline solid
Melting Point	114-116 °C
Boiling Point	Not applicable
Density	1.34 g/cm ³
Product Identification	
Chemical Name	2,4-Dichloro-meta Xylenol (DCMX)
CAS Number	133-53-9
Grade	Technical Grade
IUPAC Name	2,4-dichloro-3,5-dimethylphenol
Molecular Formula	C ₈ H ₈ Cl ₂ O
Description	Serves as an antimicrobial/antiseptic ingredient in liquid detergents, soaps, dandruff shampoos, disinfectants, and industrial fluids.
Known Applications	Antimicrobial Agent, Disinfectant, Preservative, Surfactant, Industrial Applications
Solubility	
Water Solubility	1:5000 (0.2 g/L at 20 °C)
Solubility in Solvents	At 15 °C per 100 parts solvent: 73 parts acetone, 59 parts diethyl ketone, 15 parts toluene, 14 parts benzene, 4 parts petroleum ether. Also soluble in alcohol, ether, and alkali hydroxide solutions.
Chemical Properties	
pKa	10

2. Processing Methods



Water-Based Antiseptic Liquid (Dettol-type)

Formulated as a ready-to-use, water-based solution for hand hygiene and wound cleansing.

Key Ingredients	Indicative Dosage (% w/w)
DCMX	2.5%

3. Dosing by Application

Application	Recommended / Max Dosage
Antiseptic / Wound Cleansing Liquids	2.5%

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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