

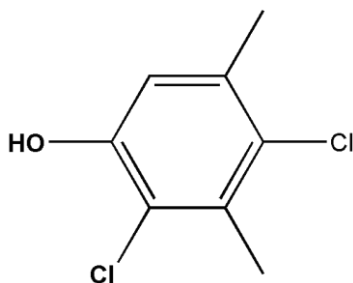
## Technical Data Sheet

### 2, 4-Dichloro-3, 5-Dimethylphenol (DCMX)

--A security and efficient antiseptic & bactericide.

#### Chemical Name:

2,4-Dichloro-3,5-Xylenol;2,4-Dichloro-3,5-dimethylphenol;2,4-di-chloro-3,5-meta-xylenol,Di-Chloroxylenol,Dichloroxylenol,DCMX



Molecular Formula: C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>O

Molecular Weight: 191.0

CAS No.: 133-53-9

EINECS No.: 205-109-9

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#### Chemical and Physical properties:

Appearance: Yellow to grey flakes or powder, slight compact

Odor: Phenol-like

Water: 0.5% Max

Active Content: 98% Min

Residue on Ignition 0.5% Max

Iron: 80ppm Max

Melting point: 92-95 °C

Boiling point: 269°C

Solubility: 0.2 g/L in water (20 °C), very soluble in organic solvent such as alcohol, ether, ketone, etc., and soluble in alkaline solutions.

Clarity of solution: Clear solution free of particles

Shelf life: 12 months at room temperature

\*Note: These data are not equivalent to product specifications



### Performance characteristics:

1. Antibacterial and antifungal: It has excellent killing effect on Gram-positive bacteria such as *Bacillus subtilis* and negative bacteria such as *Escherichia coli*, and has excellent killing effect on molds such as *Aspergillus niger* and *Aspergillus flavus*.
2. Stability: DCMX phenol structure is stable, just store it normally

### Recommended dosage:

Usage: soluble in 6501, AE07, alcohol, TX-10 and other non-ionic surfactants.

In personal care products, such as soap, shampoo, shower gel and other daily chemical industry applications and dosage:

Disinfectant:	4.5-5%
Hand sanitizer :	1%
Soap:	1-2%
Shower gel:	2%.
Leather:	0.2-0.5%

### Package and Storage:

20kg/drum with pallet

Storage condition: At room temperature ,in dark place,  
In tightly closed container.

### Application:

Dichloroxylenol (DCMX) is frequently used in such industry fields of :

- Personal care products
- Antibacterial hand soap
- Soap
- Shampoo
- Healthy products.
- Household
- Institutional disinfectant and cleansers
- Public & hospital Hygiene.
- Glue
- Oiled
- Textile
- Paper making

### More information:

For more information, please contact Dalian Tianwei Chemical Co., Ltd.