**ROCIMA™ 625 Biocide**  
Wet State Preservative for Paints, Polymer Emulsions, Mineral Dispersions and Related Products

**Description**

ROCIMA 625 Biocide is a highly efficient preservative characterized by a broad spectrum of activity in water based products, providing at the same time excellent head space protection.

ROCIMA 625 is a salt-free preparation and therefore shows a good compatibility with most systems.

**Composition and Chemical Data**

**Composition:**
Preparation of chloromethyl-/methylisothiazolone and a glycol-based formaldehyde releaser.

**Typical Properties**
These properties are typical but do not constitute specifications.

<table>
<thead>
<tr>
<th>Test</th>
<th>Min.</th>
<th>Max.</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to slightly cloudy, colourless to yellowish liquid</td>
<td>Visual</td>
<td></td>
</tr>
<tr>
<td>Colour (Gardner)</td>
<td>0</td>
<td>3</td>
<td>ISO 4630</td>
</tr>
<tr>
<td>Density 20°C</td>
<td>1.175</td>
<td>1.195 g/ml</td>
<td>ISO 2811-3</td>
</tr>
<tr>
<td>Refractive Index $\frac{n}{D}$</td>
<td>1.432</td>
<td>1.442</td>
<td>ASTM D 1218-02</td>
</tr>
<tr>
<td>pH value</td>
<td>4.5</td>
<td>7.5</td>
<td>IN 7463 ACM</td>
</tr>
</tbody>
</table>

**Miscibility/Solubility**

Miscible in all proportions with water, low alcohols, and glycol ethers.

**Compatibility**

ROCIMA 625 is a salt-free preparation and, therefore, it is compatible with most binder systems, but not with formaldehyde sensitive types. It is not compatible with strongly oxidising and reducing agents.

It is generally advisable to check compatibility prior to any application.

**Stability**

Temperature: up to 60°C  
PH: 2-9

**Application and Activity**

ROCIMA 625 Biocide offers excellent protection against bacteria and fungi including yeasts and is suitable for the in-can preservation of water based products like paints, adhesives, polymer latices, sealants, mineral dispersions and printing inks, and for process applications in papermill.

The number of technical products being preserved with ROCIMA 625 is increasing steadily and it is not always possible to predict its suitability. The optimum use should be established by preliminary experiments. In critical cases, pre-dilution with water is often helpful.

ROCIMA 625 can be added in any phase of the manufacturing cycle. To achieve best protection it is recommended
to add part of ROCIMA 625 at the beginning of production and part in the let down step.

**Dosage**

ROCIMA 625 Biocide is added at use rate of between 0.025% and 0.25% (weight/weight) as supplied.

The amount of preservatives to be used depends on several factors like contamination level of raw materials and composition of the products.

Our microbiological laboratories are available to determine the optimum concentration of ROCIMA 625 in your products.

**Handling**

*Please refer to the material safety data sheet of this product for precise handling instructions.*

The processing and use of industrial chemicals require adequate technical and professional knowledge.

In general, avoid eye and skin contact, wear safety goggles, gloves and protective clothing. In case of eye or skin contact despite precautionary measures, wash immediately and thoroughly with plenty of warm water and obtain medical attention.

The legal requirements prevailing in your country, especially on working hygiene and in the avoidance of accidents, must be observed.

**Storage**

ROCIMA 625 Biocide is preferably stored in closed original containers at room temperature.

**Biocidal Product Directive Compliance**

ROCIMA 625 Biocide is a biocidal product intended for use in accordance with Product Type 6 (In-Can preservation) and Product Type 12 (Slimicides) of the Biocidal Products Directive 98/8/EC (BPD).

**Caution**

*Use biocides safely. Always read the label and product information before use.*

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