PERFECT ODOUR CONTROL - POLYFIX ZRC 50 MB

FIGHTING AGAINST MALODOURS IS A CHALLENGE FOR EVERYBODY INVOLVED IN THE DEVELOPMENT OF ODOUR CONTROL PRODUCTS. POLYFIX ZRC 50 MB OFFERS AN EFFECTIVE AND READY-TO-USE SOLUTION.

Polyfix ZRC 50 MB is a liquid solution based on zinc ricinoleate and is capable of binding odour-forming nucleophilic molecules. They will be chemically fixed and cannot be released back into the atmosphere even when heated.

- Cold processable
- Capable of building stable complexes with odour molecules
- Compatible with most fragrances
- Suitable with non-ionic and anionic surfactant systems
- Used at typical treatment levels of 1 - 5 %

POLYFIX ZRC 50 MB ELIMINATES BAD ODOUR CAUSED E.G. BY AMINES, MERCAPTANES, HYDROGEN SULFIDES, ORGANIC ACIDS, AMMONIA, THIO ESTERS ETC.

POLYFIX WILL NOT AFFECT MOST FRAGRANCES.

INCI: Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol

TECHNICAL DATA

- Appearance: yellowish - yellow liquid
- pH (1%): 7.5 - 8.5
- Zinc Content: 4.5 - 5.5 %
- Density (20°C): approx 1.30 g/cm³
FORMULATION GUIDE DEODORISING SOAP BAR

<table>
<thead>
<tr>
<th>Part</th>
<th>INCI / Ingredient</th>
<th>% W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Behenyl Alcohol</td>
<td>17.50</td>
</tr>
<tr>
<td></td>
<td>Sorbitan Olivate</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>Butyrospermum Parkii (Shea) Butter</td>
<td>17.50</td>
</tr>
<tr>
<td></td>
<td>Macadamia Ternifolia Seed Oil</td>
<td>3.00</td>
</tr>
<tr>
<td></td>
<td>Lauryl Glucoside, Disodium Cocoyl Glutamate, 42% RHEO2GREEN1 MB</td>
<td>8.00</td>
</tr>
<tr>
<td></td>
<td>Glyceryl Caprate</td>
<td>0.50</td>
</tr>
<tr>
<td>B</td>
<td>Silica</td>
<td>10.00</td>
</tr>
<tr>
<td></td>
<td>Bambusa Arundinacea</td>
<td>9.00</td>
</tr>
<tr>
<td></td>
<td>Sodium Bicarbonate</td>
<td>5.00</td>
</tr>
<tr>
<td>C</td>
<td>Zinc Oxide</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>Helianthus Annuus Seed Oil</td>
<td>6.50</td>
</tr>
<tr>
<td></td>
<td>Propylene Glycol</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>Zinc Ricinoleate, Laureth-3, Tetrahydroxypropyl Ethylenediamine, Propylene Glycol POLYFIX ZRC 50 MB</td>
<td>5.00</td>
</tr>
<tr>
<td>D</td>
<td>Preservatives, Fragrances etc.</td>
<td>qs</td>
</tr>
</tbody>
</table>

COSMETICS
- Deodorant roll-ons, sprays, sticks
- Hand sanitizers
- Foot creams
- Hair depilatory creams
- Permanent hair waves
- Permanent hair straightening
- Wet wipes

HOME CARE
- Household products
- Sanitary products
- Pet care products

OTHER APPLICATIONS
- Car care products
- Industrial applications

MANUFACTURING PROCEDURE
- Heat part A up to 80°C
- Maintain temperature and add part B to part A while stirring
- Mix until formulation appears homogeneous
- Add part C and part D in listed order while stirring
- Pour the homogeneous mass into a mould and cool down

PROPERTY
- Appearance: bar