

## SCHEDA TECNICA

# IDROSSIDO DI RAME

**Cu(OH)<sub>2</sub>**  
CUPRIC HYDROXIDE  
COPPER HYDRATE  
HYDRATED COPPER OXIDE

**TECHNICAL  
GRADE**

**FUNGICIDE  
GRADE  
WG 50%**

|                                                                      |                                                                                                                                 |                                                                                     |
|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Common name</b>                                                   | <b>copper hydroxide</b>                                                                                                         |  |
| <b>IUPAC name</b>                                                    | <b>copper (II) hydroxide</b>                                                                                                    |                                                                                     |
| <b>CAS name</b>                                                      | <b>copper hydroxide</b>                                                                                                         |                                                                                     |
| <b>CAS number</b>                                                    | <b>20427-59-2</b>                                                                                                               |                                                                                     |
| <b>EC name:</b>                                                      | <b>copper dihydroxide</b>                                                                                                       |                                                                                     |
| <b>EC number:</b>                                                    | <b>243-815-9</b>                                                                                                                |                                                                                     |
| <b>Molecular weight range</b>                                        | <b>97.561</b>                                                                                                                   |                                                                                     |
| <b>Appearance</b>                                                    |                                                                                                                                 | <b>granule &lt; 1 mm OD spheres</b>                                                 |
| <b>Color</b>                                                         |                                                                                                                                 | <b>pale greenish blue</b>                                                           |
| <b>Odor</b>                                                          |                                                                                                                                 | <b>odorless</b>                                                                     |
| <b>Purity (copper hydroxide)</b>                                     |                                                                                                                                 | <b>&gt; 77.00 %</b>                                                                 |
| <b>Copper (Cu) content</b>                                           |                                                                                                                                 | <b>≥ 50.00 % (500 g/kg)</b>                                                         |
| <b>Iron (Fe)</b>                                                     |                                                                                                                                 | <b>&lt; 400 ppm</b>                                                                 |
| <b>Zinc (Zn)</b>                                                     |                                                                                                                                 | <b>&lt; 200 ppm</b>                                                                 |
| <b>Lead (Pb)</b>                                                     |                                                                                                                                 | <b>&lt; 100 ppm</b>                                                                 |
| <b>Arsenic (As)</b>                                                  |                                                                                                                                 | <b>&lt; 10 ppm</b>                                                                  |
| <b>Cadmium (Cd)</b>                                                  |                                                                                                                                 | <b>&lt; 5 ppm</b>                                                                   |
| <b>Moisture (loss on drying)</b>                                     |                                                                                                                                 | <b>&lt; 1.00 %</b>                                                                  |
| <b>Median-D50</b> (particle size diameter for a volume distribution) |                                                                                                                                 | <b>&lt; 2 microns</b>                                                               |
| <b>Mean-D(4,3)</b> (Volume Mean Diameter)                            |                                                                                                                                 | <b>&lt; 3 microns</b>                                                               |
| <b>CBD - Compacted Bulk Density</b>                                  |                                                                                                                                 | <b>~ 0.60 g/cc</b>                                                                  |
| <b>pH range (1% in water)</b>                                        |                                                                                                                                 | <b>8.5 to 10.0</b>                                                                  |
| <b>Wet sieve test</b> (retained on a 75 microns test sieve)          |                                                                                                                                 | <b>&lt; 1.0 %</b>                                                                   |
| <b>Suspensibility</b>                                                |                                                                                                                                 | <b>&gt; 60%</b>                                                                     |
| <b>Persistent foam</b> (after 1 minute)                              |                                                                                                                                 | <b>&lt; 60 ml</b>                                                                   |
| <b>Dispersibility</b>                                                |                                                                                                                                 | <b>&gt; 80%</b>                                                                     |
| <b>Flowability</b> (4 mesh/2 weeks)                                  |                                                                                                                                 | <b>no residue</b>                                                                   |
| <b>GMO's</b> (Genetically Modified Organism)                         |                                                                                                                                 | <b>free</b>                                                                         |
| <b>Shelf life guarantee (Storage stability)</b>                      | <b>2 years at clean, dry, well ventilated area, out from direct sunlight, protected from rain, moisture and excessive heat.</b> |                                                                                     |

PRODUCED BY CUPRICA SAC WITH ISO 9001  
MANAGEMENT SYSTEM CERTIFICATION,  
AUTHORISED BY SGS UNITED KINGDOM LTD.

