

# Water-treatment products files

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## 1 Disinfection products

### CALCIUM HYPOCHLORITE–HTH AT 65% ACTIVE CHLORINE

|                              |                                                                                                                                                                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicative price             | 3 to 6 €/kg for 1 t in drums of 50 kg each                                                                                                                                                                                        |
| Appearance                   | Whitish granules                                                                                                                                                                                                                  |
| Apparent density             | 0.9 to 1.0 kg/l                                                                                                                                                                                                                   |
| Solubility in water at 27° C | 217 g/l                                                                                                                                                                                                                           |
| Grain size                   | 1 - 2.5 mm                                                                                                                                                                                                                        |
| Application                  | The product keeps well (with a loss of 2% of active chlorine per year) in a non-metallic, sealed container, away from light and heat<br>Very corrosive, subject to strict air-transport regulations<br>Special packaging required |

### TRICHLOROCYANURATE TCCA (CITERNET) AT 90% ACTIVE CHLORINE

|                              |                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicative price             | 3 to 4.50 € per 70 g float in a pallet                                                                                                                                                                                        |
| Appearance                   | Solid white tablets                                                                                                                                                                                                           |
| Smell                        | Chlorine                                                                                                                                                                                                                      |
| Solubility in water at 20° C | 12 g/l                                                                                                                                                                                                                        |
| Tablet dissolution duration  | 2 to 4 weeks                                                                                                                                                                                                                  |
| Capacity                     | One 35 g tablet for the treatment of 3 000 l of water                                                                                                                                                                         |
| Application                  | Available in the form of a light PVC float with two pods, each containing one 35 g float tablet to be thrown into the water after opening<br>Treatment for a limited period of time (maximum 3 months)<br>Avoid long-term use |

### SODIUM DICHLORO-ISOCYANURATE (NADCC)

|             |                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Appearance  | Effervescent tablets which liberate hypochlorous acid                                                                                 |
| Capacity    | Tablets at 3.5 to 8 680 mg for the treatment of 1 to 2 500 l of water                                                                 |
| Application | Convenient, efficient, particularly in emergencies<br>Same restrictions in duration of use as for TCCA<br>Permissible for air freight |

## 2 Flocculation products

### ALUMINIUM SULPHATE AT 17% $\text{Al}_2\text{SO}_3$

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|------------------|--------------------------------------------------------------------------------------------|
| Indicative price | 4 € per kg in paper bags of 50 kg                                                          |
| Appearance       | Blocks, bars, granules, powder                                                             |
| Solubility       | 688 g/l                                                                                    |
| Density          | 1 t/m <sup>3</sup>                                                                         |
| Application      | 50 kg of product can treat 300 to 2 500m <sup>3</sup> of water<br>Application range pH 6-8 |

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### IRON SULPHATE AT 90% $\text{Fe}_2(\text{SO}_4)_3$ OR 26% FE

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| Appearance  | Granules, crystals, lumps                                                                                                                                                                                                               |
| Application | Wider application range than aluminium sulphate (pH 4.5-9)<br>Storage in waterproof drums protected against humidity<br>Use containers protected against corrosion<br>Risk of coloration if raw water has a high organic-matter content |

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