

## Calcium Nitrate Horticultural Grade

20<sup>TH</sup> OF AUGUST 2013

SHEET 1 / 1

## Section 1 / Description:

|                  |  |
|------------------|--|
| Brand name       | Calcium Nitrate Horticultural Grade  |
| Chemical name    | Double salt of calcium- and ammoniumnitrate  |
| Chemical formula | $5\text{Ca}(\text{NO}_3)_2 \times \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$ |

## Section 2 / Chemical composition:

|  |           |
|--|-----------|
| Total Nitrogen (N)                     | 15.5% w/w |
| Nitric Nitrogen (N-NO <sub>3</sub> )   | 14.4% w/w |
| Ammonium Nitrogen (N-NH <sub>4</sub> ) | 1.1% w/w  |
| Calcium Oxide (CaO)                    | 26.3% w/w |
| Calcium (Ca)                           | 18.8% w/w |

## Section 3 / Physical properties:

|            |                               |
|------------|-------------------------------|
| Density    | 0.8 g/cm <sup>3</sup> +/- 0.1 |
| pH         | 7 (in 10% solution)           |
| Insolubles | <0.1%                         |