

# TECHNICAL INFORMATION

## Floranid N31 31-0-0

### E130 - FERTILIZER WITH UREA-DERIVATE(S)

<b>Technical data:</b>	
<b>EC - FERTILIZER</b>	
31,0 % total nitrogen (N)	
- % ammoniacal nitrogen (NH <sub>4</sub> -N)	
- % nitrate nitrogen (NO <sub>3</sub> -N)	
3,0 % carbamide nitrogen (NH <sub>2</sub> -N)	
28,0 % Isodur-N	
- % Crotodur- N	
- % MU-N	
- % phosphate (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium	- % P
- % phosphate P <sub>2</sub> O <sub>5</sub> water soluble	- % P
- % potassium oxide (K <sub>2</sub> O), water soluble	- % K
- % total magnesium oxide (MgO)	- % Mg
- % magnesium oxide (MgO), water soluble	- % Mg
- % total sulfur trioxide (SO <sub>3</sub> )	- % S
- % sulfur trioxide (SO <sub>3</sub> ), water soluble	- % S
<b>Micronutrients</b>	
- % total boron (B)	- % total copper (Cu)
- % total iron (Fe)	- % total manganese (Mn)
- % total zinc (Zn)	
<b>low in chlorine</b>	
- % nitrification inhibitor 3,4-dimethylpyrazolephosphate (DMPP) related to total of NH <sub>4</sub> -N and NH <sub>2</sub> -N	

#### Physical properties :

Colour :	white
Bulk density :	600 ± 100 kg / m <sup>3</sup>
Granule size :	90 % = 0,7 - 2,8 mm
pH ( 1:10 in water ) =	6 - 7
Physical appearance :	solid, granulated
Percentage of coated granules:	0

#### Recommendation for application :

Thanks to its even granulation the fertilizer can be applied easily with spreaders or by hand. Application is possible during the whole vegetation period. Watering-in promotes the immediate effect.

#### Description of fertilizer properties :

Floranid N31 is a straight N slow release substance. Isodur-N (IBDU) is the key component with a share of approx. 90 % of the N-fraction. The high Isodur content in combination with the immediately plant-available N ensures a well-dosified starter effect and an even slow release effect over several months (2 - 4 depending on the weather conditions). Through the continuous N-supply possible N-losses are reduced to a minimum. Technical Isodur is therefore especially suited for areas where leaching into deeper horizons shall be avoided. Technical Isodur does not supply any salt-active materials and consequently does not result in burning even with relatively high quantities.

