



MENAFERT

Technical Data Sheet

Advanced MENACAL Zn

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Advanced MENACAL Zn

Description

Brand Name	MENACAL Zn
Chemical name	Calcium Nitrate Ammonium Nitrate Zinc, IDHA chelate
Chemical Formula	$\text{Ca}(\text{NO}_3)_2 \times 2.5 \text{H}_2\text{O}$ NH_4NO_3 Zn-IDHA
Color	Yellowish/brownish flakes

Chemical Composition

Total Nitrogen (N)	14.3% w/w +/- 0.3%
Nitric N (N-NO ₃)	13.5% w/w +/- 0.3%
Ammonium N (N-NH ₄)	0.8% w/w +/- 0.1%
Calcium Oxide (CaO)	27.0% w/w +/- 0.5%
Zinc (Zn), IDHA chelated	0.2% w/w

Physical Properties

Density	0.90 +/- 0.05 g/cm ³
Solubility in water	2200 g/L (at 20°C)
EC	1.25 mS/cm (in 0.1% solution)
pH	5.5 - 7.5 (in 10% water solution)
Water Insoluble	< 0.01%

General Information

Biodegradation	DOC-removed
	Acc. OECD 301E 78% after 28 days
	Acc. OECD 302B 89% after 28 days