

IPE® TECHNOLOGY | IPEREN IPE® LIQUID

Iperen IPE® Liquid 3 - 9 - 0 + Zn

August 2020

Origin: The Netherlands

EC FERTILISER

Reach Reg.

Section 1 | Description

Brand name	Iperen IPE® Liquid 3 - 9 - 0 + Zn
Chemical name	NP fertiliser solution with zinc
Chemical formula	NPK 3 - 9 - 0 + ZnNO ₃
Appearance	Brown liquid

Section 2 | Chemical composition

Total Nitrogen (N)	3% +/- 0.3% w/w 3.5% +/- 0.3% w/v
Nitric Nitrogen (N-NO ₃)	1% +/- 0.2% w/w 1.1% +/- 0.2% w/v
Ammoniacal Nitrogen (N-NH ₄)	1.5% +/- 0.3% w/w 1.7% +/- 0.3% w/v
Ureic Nitrogen (N-NH ₂)	0.5% +/- 0.2% w/w 0.6% +/- 0.2% w/v
Phosphorus Pentoxide (P ₂ O ₅)	9% +/- 1.1% w/w 10.6% +/- 1.3% w/v
Zinc (Zn)	2.1% +/- 0.3% w/w 2.4% +/- 0.3% w/v

Section 3 | Heavy metals

Arsenic (As)	< 5mg/kg	Mercury (Hg)	< 1mg/kg
Cadmium (Cd)	< 1mg/kg	Lead (Pb)	< 5mg/kg
Chrome (Cr)	< 5mg/kg		

Section 4 | Physical properties

Density	1.18 +/- 0.02kg/L
pH	3 +/- 1 4.3 +/- 1 (in 0.1% solution)
Electric conductivity (EC)	0.23 +/- 0.04mS/cm (in 0.1% solution)
Crystallization temperature	-5°C