CMI Limited *Specialists in products for Agriculture*

UNITED HOUSE, 113 HIGH STREET, COLLINGHAM, NEWARK, NOTTS NG23 7NG
TEL: +44 (0)1636 892078 Fax: +44 (0)1636 893037 E-mail: info@cmi.ltd.uk www.cmi.ltd.uk
VAT: GB 416 1383 72

SPECIFICATION/TECHNICAL DATA SHEET
SUPERFLOR 21% BORON

Superflor 21% Boron
$Na_2B_8O_{13}$ $4H_2O$
CAS No 12280-03-4
White fine powder product manufactured by CMI Ltd

CHEMICAL COMPOSITION

		Typical	Guaranteed
B_2O_3	%	67.00	66.01 min
Na_2B	%	14.73	
Water by difference	%	18.27	
B	%	20.80	20.50 min

SOLUBILITY

Temperature	Weight %
0	2.4
10	4.4
20	9.7
30	21.8
40	27.3
50	34.3

pH

Solution % (w/w)	pH at 20ºC
1	8.5
2	8.4
3	8.3
5	8.0
10	7.6

PARTICLE SIZE DISTRIBUTION

Micron	% retained Typical	% retained Guaranteed
300	0.2	0.5 max
88	8	20 max

Bulk density: kg/dm³ 0.64 ± 0.04

PACKAGING

Product is available in 50 lbs/25 kg multi-wall paper bags and big bags of 1,000 kg/2,000 lbs/1m5000 lbs.

INDUSTRIAL USES

In agriculture as Boron micronutrient. In industrial applications as wood preservative and fungicide.

STORAGE RECOMMENDATIONS

The product maintains its chemical properties for over three years provided that it is stocked in a fresh and dry place in order to avoid caking.

Updated – July 2014