

# Microbrite®(S)

## FEATURES AND BENEFITS

The Microbrite®(S) range of products are manufactured as a finely milled and classified powder using higher silica content feldspar found in the pegmatite ore from our mining operation situated in the Limpopo Province in South Africa.

Microbrite®(S) offers high dry brightness, inertness and acid resistance, heat stability, UV resistance, hardness and scrub resistance, as well as ease of dispersion in oils and water-based formulations.

The main uses of Microbrite®(S) include:

- ❖ As inert functional fillers in paints, coatings, sealants, mastics and grouts.
- ❖ As bulking agents in high-performance industrial coatings.
- ❖ In rubber and waterproofing compounds.
- ❖ As fire extinguisher powder adjunct.
- ❖ In polishes and rubbing compounds.
- ❖ In gypsum and plastic plasters and castings.
- ❖ Promoting strength, heat and acid resistance in thermosetting polymers.
- ❖ In varnishes and cured products.

## DATASHEET REVISION

Revision Number	01
Revision Date	07/05/2019

## CHEMICAL ANALYSIS

Range values. These do not represent a specification.

SiO <sub>2</sub>	75.00-85.00 %
Al <sub>2</sub> O <sub>3</sub>	9.00-11.00 %
Fe <sub>2</sub> O <sub>3</sub>	0.10-0.20 %
K <sub>2</sub> O / Na <sub>2</sub> O	5.00-8.00 %
MgO	<0.05 %
TiO <sub>2</sub>	<0.01 %
CaO	<0.50 %
P <sub>2</sub> O <sub>5</sub>	<0.05 %
LOI	<0.50 %

## PARTICLE SIZE ANALYSIS AND PROPERTIES

Mean values. These do not represent a specification.

		<b>2</b>	<b>5</b>
Trade Names		Microbrite 2s	Microbrite 5s
% Retained @ 63 µm	% weight	N/A	** <1.0
% Retained @ 25 µm	% weight	** <2.0	N/A
Average Particle Size, d <sub>50</sub>	µm	6.8	12.7
Oil Absorption	%	26	23
Reflectance (Opacity Reflectometer)	%	94	93
Bulk Density (As Packed)	kg/litre	0.70	0.85
Specific Gravity	kg/litre	2.59	2.59
Hardness	mohs	6	6
Melting Point	°C	>1100	>1100
Packaging: 1000kg bulk bags		Yes	Yes
25kg packed bags		Yes	Yes

\*\* Quality controlled by means of wet sieve analysis

**Notice:** While information contained herein is correct to the best of our knowledge, Micronized Products hereby disclaims any warranties as to the accuracy of the information. Recommendations or suggestions are made without guarantee or representation as to result, since conditions of usage are beyond our control. All materials are sold subject to Micronized Products' standard terms and conditions of sale including the condition that the buyer shall conduct his own tests to determine the suitability of each product for the buyer's purpose. No statement contained herein shall be construed as a recommendation to infringe any patent.

## FELDSPAR • SILICA • TALC • MICA • BARYTES • VERMICULITE • KAOLIN

Directors:  
BS Booth, RH Weissenberg, KK Watson

**JOHANNESBURG (HEAD OFFICE)**  
P.O. Box 91575  
Auckland Park, 2006, South Africa  
Tel: +27 11 486-1919  
Fax: +27 11 486-1928  
E-mail: info@micronized.com

**LIMPOPO – UNION MINE & WORKS**  
Private Bag X3010  
Phalaborwa, 1390, South Africa  
Tel: +27 15 817-1828  
Mica, Limpopo  
GPS: 24°09'23.4"S, 30°49'41.4"E

**JOHANNESBURG FACTORY**  
69 Barney Road  
Benrose, 2094, South Africa  
Tel: +27 11 624-0909  
Benrose, Johannesburg  
GPS: 26°12'38.3"S, 28°05'03.3"E

**GRAHAMSTOWN FACTORY**  
1 Victoria Street (off Cobden Street)  
Grahamstown, 6140, South Africa  
Tel: 011 486-1919 (head office)  
Grahamstown, Eastern Cape  
GPS: 33°18'29.1"S, 26°32'08.8"E

Micronized SA Ltd, Reg. No 2007/005688/06