

## MicroTalc<sup>®</sup> MP 44-28 U.S.P. talc

Specialty Minerals Inc. (SMI) MicroTalc<sup>®</sup> MP 44-28 U.S.P. talc is designed specifically for cosmetic formulations. The controlled particle size particle distribution and bulk density facilitates its use cosmetic applications as an excipient or as a solid component in lotions and gels.

MicroTalc<sup>®</sup> U.S.P. talc is produced by BMI, a wholly owned subsidiary of SMI, at our Barretts, MT facility. This talc is certified to meet all of the United States Pharmacopoeia requirements for chemical purity under the USP 29 / NF (Harmonized Monograph) and the CTFA (Cosmetic, Toiletries and Fragrance Association).

<b>Product Description Typical Values</b>	<b>MicroTalc<sup>®</sup> MP 44-28 USP</b>
Median Particle Size (microns)	5
% Retained +325 Mesh	0.6
% Retained +80 Mesh	0
Dry Brightness Hunter Rd value	88.5
Bulk Density Loose (lbs/ft <sup>3</sup> )	21
Tapped (lbs/ft <sup>3</sup> ) (USP)	49

<b>Typical Chemical Composition</b>		
Silicon Dioxide	SiO <sub>2</sub>	61%
Magnesium Oxide	MgO	31%
Calcium Oxide	CaO	<0.5%
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	<1%
Iron As	Fe <sub>2</sub> O <sub>3</sub>	<1.3%
Loss on Ignition	L.O.I.	<7%
Moisture %	H <sub>2</sub> O	<0.5%

<b><u>Selected U.S.P. Certification Limits &amp; CTFA Limits</u></b>	
Loss on Ignition	7.0% Maximum
Water Solubles	0.1% Maximum
Water Soluble Iron	Nil
Mold & Yeast	50 per gram
Microbiological Limit (count)	100 per gram
Lead (Pb)	10 ppm Maximum

All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI/BMI unless reflected in writing signed by SMI/BMI's representative. The information contained herein is not to be copied or otherwise used in any publication in whole or in part, without written permission from Specialty Minerals Inc./Barretts Minerals Inc.