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Specification Sheet

ZINC OXIDE MICROFINE 65% DISPERSION IN OCTYL PALMITATE (Dispersion 1465)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
ZN1465	-	1314-13-2 29806-73-3	January 4, 2012	ATR	Original	RVK

CHARACTERISTICS:	White to off-white semi solid with viscosity of 65,000 cps	
	Components	Microfine Zinc Oxide and Octyl Palmitate
	INCI Name (Proposed)	Zinc Oxide and Octyl Palmitate

SPECIFICATIONS:	Zinc oxide content	61.5–64.5% w/w
	Specific gravity	1.60–2.20
	Viscosity	65,000 cps max

OTHER SPECIFICATIONS:	Microbiological	
	Total bacteria	100 cfu/gm max
	Total yeast/mold	100 cfu/gm max

STOCKING POINTS:	Made to order with 2-3 weeks lead-time. Shipped from Miami, FL.
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PACKAGING:	150 lb drum (15 gallon drum)
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APPLICATIONS:	Sunscreens and skin care products with SPF: Micronized Zinc Oxide meets the monograph for UVA absorber and can be substituted entirely or in part for Benzophenone 3.
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SPECIAL STORAGE INSTRUCTIONS:	Stable for one year under normal storage conditions in original container. Material is shear thinning (thixotropic) and should be thoroughly mixed before use.
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OTHER:	1 part per weight of Zinc Oxide normally gives 1.5 SPF units. Titanium Dioxide and Zinc Oxide can be used together to give an SPF 30. This is the upper limit because viscosities become too high to apply. They can be combined with chemical sunscreens like Avobenzone to reach SPF 50. Effective June 2012 the new FDA regulations are in place defining labeling claims on sunscreen products for broad-spectrum, water resistant, skin cancer , etc. These new regulations should be consulted accordingly.
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