



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

Date: 06/25/2010

JEESPERSE ZO-OO-50

Proposed INCI Name: Zinc Oxide & Olive Oil

Typical Properties:

Appearance:	White/Off-White Liquid
Microbiological, TPC:	100 cfu/gram Maximum
% Zinc Oxide:	45.0 – 55.0%
Specific Gravity:	1.30 – 1.80
Viscosity: (LVT Spindle TB@10 rpm)	35,000 – 70,000 cps

Metals:

CdO, %*	0.0017 max.
Fe ₂ O ₃ , %*	0.0024 max.
PbO, %*	0.0021 max.
As, %*	0.0001 max.
Hg, %*	0.0001 max.

*On zinc oxide only basis

Specifications

Zinc Oxide:	45.0 – 55.0%
Olive Oil:	45.0 – 55.0%

More Interesting Facts:

The sun protection properties and the excellent cosmetic/aesthetic properties of micro fine Zinc Oxide (ZnO) and micro fine Titanium Dioxide (TiO₂) are well established. Absorbing and/or scattering ultraviolet radiation (UVR) throughout the UVB and UVA portions of the spectrum, these chemically inert and low irritation compounds are ideal raw material on which to base technologically advance, high SPF formulations for both seasonal sun care and daily personal care products.

There are, however, several significant handling and performance issues related to the microfine physical form, i.e. the particulate nature, of ZnO and TiO₂. The problems that can be encountered include:

- ❖ Powder handling,
- ❖ Compatibility with, and incorporation into, a formulation,
- ❖ Particle agglomeration during and after manufacture
- ❖ Settling in the finished product.

Continued....



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

JEESPERSE ZO-OO-50

Proposed INCI Name: Zinc Oxide & Olive Oil

JEEN International manufactures state-of-the-art, stable high solids dispersions of micro fine Zinc Oxide and micro fine Titanium Dioxide. Termed "JEESPERSE T50 OP (50% TiO₂ in C₁₂-C₁₅ Alkyl Benzoate) and "JEESPERSE ZOTN-65" (65% ZNO in C₁₂-C₁₅ Alkyl Benzoate) and JEESPERSE ZO -OO-50 (50% Zinc Oxide in Olive Oil) these products are formulated using superior ingredients (ZcoteHP1[®] and Tcote031[®]) and manufactured using proprietary processing to ensure and maintain a narrow particle size distribution (PSD). The address and minimize the issue related to the use of powders at both the initial formulation and final product stages. Additionally, they offer unique rheological properties that overcome traditional problems of settling and processibility found with other brands of high solids dispersions. The narrow PSD provides a truly non-whitening system. A very useful feature of the dispersions is that they can be co-mixed with each other in any concentration without fear of aggregation.

Components: Micro Fine Zinc Oxide USP and Olive Oil

CAS Numbers: 1314-13-2
8001-25-0

Packaging:	Drum			
Weights:	Gross: 610 Lbs	Tare: 40 Lbs.	Net: 570 Lbs.	
	Gross: 276.69 Kgs.	Tare: 18.14 Kgs.	Net: 258.55 Kgs.	

Packaging:	Pail			
Weights:	Gross: 43 Lbs.	Tare: 3 Lbs.	Net: 40 Lbs.	
	Gross: 19.50 Kgs.	Tare: 1.36 Kgs.	Net: 18.14 Kgs.	

Specifications Subject to Change

You Can Count On Us!

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of JEEN International Corporation. The data on this sheet relates only to the specific material designated herein. JEEN International Corporation assumes no legal responsibility for use or reliance upon these data.