

Ultrabee™ WD Silicone Toxicology Studies

CTFA / INCI Name: Dimethicone PEG-8 Beeswax

Skin Irritation and Sensitization in Humans

The skin sensitization of Ultrabee™ WD silicone (dimethicone copolyol ester) was evaluated in a panel of 115 human volunteers (102 subjects completed the study) using a modified Draize assay.

The test material was applied three times a week (Monday, Wednesday, and Friday) for a total of ten applications. The test material was covered by an occlusive patch. After each 48 hour period the patches were removed and the sites were evaluated. After the induction phase the subjects were rested for 12 days and then challenged with the test material. Challenge patches were removed and scored at 48 and 96 hours.

No evidence of skin irritation or sensitization was observed with this test material.

Lubrizon Advanced Materials, Inc. / 9911 Brecksville Road, Cleveland, Ohio 44141-3247 / TEL: 800.379.5389 or 216.447.5000

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