



# HAIR & COMPOUNDS

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## MATERIAL SAFETY DATA SHEET

### RETOUCH PLUS MEDICAL GRADE ADHESIVE FOR SKIN CONTACT

#### TYPICAL PARAMETERS:

Solids Content:	69 +/-2%
Viscosity CPS:	4000-9000
Weight Per Gallon:	8.4
Freeze/Thaw Stability	Good
VOC: (Volatile Organic Compound)	>0.5%
Dry Tack Adhesion:	4.5 PLI
178 degree Adhesion Test:	4 hours at 500 grams

#### I. MATERIAL IDENTIFICATION & PHYSICAL DATA

Product Name: RETOUCH PLUS  
Weight Per Gallon: 8.4 lb.  
Evaporation Rate: Nil  
Appearance and Odor: White liquid with pleasant odor.  
Percent Volatile by Volume: 45-65%  
Boiling Range: 212 F  
Vapor Density: N/A  
Vapor Pressure: of water  
Solubility in Water: total

#### II. HAZARDOUS INGREDIENTS

Dioctylmaleate Copolymer

#### CAS#

26061-64-3

#### OSHA TWA ppm

N/A

#### ACGIA TWA ppm

N/A

Product is a stable dispersion of very small polymer particles in water. Emulsion contains formaldehyde at concentrations below 0.1% by weight. No other photochemically-reactive solvents or reactive chemical solvents are added. Solids content is 45-65% by weight which consists of polymer, surfactant and/or hydrocolloid of inorganic salts. The solid portion is combustible and will decompose under pyrolysis conditions. Residual unpolymerized monomer levels are less than 0.5% of the total product.

A sample of this polymer was submitted for an evaluation of a modified version of the Shelanski and Shelanski repeated and insult patch test which was used by the investigator in performing this evaluation in a group of more than 50 adults who volunteered to take part as subjects. Occlusive contact was effected throughout the evaluation by affixing webril pads containing approximately 0.2ml of the test material to the skin of each subject under impermeable adhesive patches. Prior to application, the prepared patches were dried in an oven for two minutes at 70 degrees Celsius. Under the test conditions, there was no evidence to indicate that the test material had acted as a sensitizer. The investigator concludes, therefore, that the results furnished no basis for contra-indicating contact between the test material and human skin under conditions which are less stringent than those which prevailed during this procedure. This polymer may also be used in accordance with FDA Regulations 21CFR175.105 for trace exposure to aqueous or fatty foods.