

## MATERIAL SAFETY DATA SHEET

### Perfector 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: Perfector  
 Product Class: Water based PSA  
 Weight Per Gallon: 8.5 lb.  
 Evaporation Rate: of water  
 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: Totally

#### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA TWA ppm	ACGIA TWA ppm
Diocylmaleate Copolymer	26061-64-3	N/A	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.

### III. FIRE AND EXPLOSION DATA

Flashpoint: >200 degrees Fahrenheit

Method: TCC

Extinguishing Media: CO2, Dry Chemical, Foam, Water

Unusual Fire and Explosion Hazards: Product can spontaneously ignite if exposed to excessive heat.

Special Fire fighting Procedures: Turn out gear and SCBA equipment. Stay out of smoke.

### IV. REACTIVITY DATA

Hazardous Polymerization: Can occur if product is heated

Conditions to Avoid: Excessive heat

Materials to Avoid: Strong acids or bases

Hazardous Decomposition Products: Acetic Acid, Acrolcin, Acetaldehyde, Crotonaldehyde, Acetone

### V. HEALTH HAZARD DATA

*Effects of Overexposure:*

Ingestion: Not known

Skin Absorption: None expected

Skin Contact: None expected

Eye Contact: Not a primary eye irritant

Chronic Effects of Overexposure: Skin rash or dermatitis can be caused by long-term direct contact with the product.

*Emergency & First Aid Data:*

Eye Contact: Wash eye with water for 15 minutes. Seek medical attention.

Skin Contact: Wash area with soap and water.

Ingestion: Recover large quantities >1 oz. from the stomach by aspiration. Seek medical help.

Inhalation: Because of the physical nature of this product, inhalation is not thought to be a viable route of entry. Move to fresh air. If not breathing, administer artificial respiration.

### VI. SPILL AND LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Absorb product on clay or saw dust.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

**VII. SPECIAL PRECAUTIONS:** Like any other chemical, this product should be handled with caution and respect. Check with your supervisor or the manufacturer when questions arise about the proper use and handling of this or any chemical product.

### VIII. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: Resin compound

D.O.T. Hazard Class: None

D.O.T. Label(s): None

D.O.T. UN/NA Number: None

To the best of our knowledge, the information contained herein is accurate. However, Hair & Compounds, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Hair & Compounds, Inc. recommends user to conduct a two-day test period on wearer.**

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