

## MATERIAL SAFETY DATA SHEET

**Perfector Plus  
MEDICAL GRADE ADHESIVE FOR SKIN CONTACT**

**BULLETIN: Perfector Plus is a water based pressure sensitive adhesive used to bond various substrates. It contains no solvents, which might attack on delicate substrates or worker irritation. This system dries clear, exhibits excellent water resistance and resists degradation by ultraviolet radiation, oxygen and ozone. For best results, follow instructions exactly.**

**Color – White, dries clear  
Weight per gallon – 9.0 lbs.  
Freeze/Thaw stability – Modest  
Water resistance – Excellent  
Flexibility – Excellent  
180 deg. Peel Adhesion: 3.5 pli**

**I. MATERIAL IDENTIFICATION & PHYSICAL DATA**

Product Name: Perfector Plus (Water Base Adhesive)  
Weight Per Gallon: -9.0 lbs.  
Evaporation Rate: Nil  
Appearance and Odor: White liquid with pleasant odor.  
Percent Volatile by Volume: <1%  
Boiling Range: N/A  
Vapor Density: N/A  
Vapor Pressure: N/A  
Solubility in Water: Nil

<b>II. HAZARDOUS INGREDIENTS</b>	<b>CAS#</b>	<b>OSHA TWA ppm</b>	<b>ACGIA TWA ppm</b>
Proprietary resins and water	Proprietary	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 webiril 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**

Flash point: >200 degrees Fahrenheit  
Method: TCC  
Extinguishing Media: CO2, Dry Chemical, Foam, Water  
Unusual Fire and Explosion Hazards: None  
Special Fire fighting Procedures: Turn out gear and SCBA equipment

**IV. REACTIVITY DATA**

Hazardous Polymerization: Will not occur  
Conditions to Avoid: N/A  
Materials to Avoid: N/A  
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides

## V. HEALTH HAZARD DATA

### *Effects of Overexposure:*

Ingestion: Not known

Skin Absorption: None expected

Skin Contact: None expected

Eye Contact: Corneal irritation

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.

Ingestion: Do not induce vomiting. Seek medical help.

Inhalation: Upper respiratory track irritation. The inhalation of the vapors during the spraying of this product may cause lung irritation.

Skin Contact: Wash area with soap and water.

## 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.

### Ventilation:

Local: Exhaust fumes from curing product to the out of doors.

Mechanical: Adequate

## VIII. TRANSPORTATION INFORMATION

D.O.T. Shipping Name: None

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 of 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.**

**Revised 07/2000**