

## **Wilsonart Adhesives Division**

### **Environmental Responsibility**

#### **Our Products**

##### **-PVA Glues (water-based, non-flammable, non-chlorinated)**

Also known as 'white glues' these polyvinyl acetate glues originally gained popularity for flat lamination of high pressure decorative laminate to particleboard by application via glue spreader and subsequent placement into a mechanical cold press. Wilsonart now offers PVA's that may be sprayed, pinchrolled, hotpressed, and/or used in postforming applications.

##### **-Wood Glues (water-based, non-flammable, non-chlorinated)**

These PVA-based glues are designed for cold pressing applications where a fast drying time is needed. These glues are also used for joinery applications common to the woodworking industry. A clear drying version is available.

##### **-Water-based Contact Adhesives (non-flammable, non-chlorinated)**

Developed in response to tightening environmental regulations that have limited fabricators' ability to use solvent-based contacts, Wilsonart H2O offers excellent bonding to all but metal, melamine, polyester and painted surfaces. It may be brushed, rolled, or sprayed and provides excellent coverage due to its high solids content.

##### **-Solvent-based Contact Adhesives (non-chlorinated)**

A staple of the laminating industry since its birth, solvent based contact adhesives remain a necessary tool, especially in applications involving non-porous substrates such as metal and melamine-covered board. In response to tightening environmental regulations, Wilsonart has developed a line of high-solids contact which provide the reliable bonds expected of solvent-based adhesive while also offering reduced emissions of VOC 's and HAP's as compared to the products of just a few years ago. Roll-on, brush-on, and spray grades are available.

##### **-Solvent Cleaners for Adhesives (non-chlorinated)**

Wilsonart offers a complete line of adhesive cleaners for applications ranging from cleanup of overspray on finished and unfinished pieces to cleanup of spray system components.

#### **Helping Customers Comply with Tightening Environmental Requirements**

##### **-LEED Green Building Rating System Performance**

Wilsonart's water-based contact adhesive (WA H2O) and all Wilsonart PVA adhesives meet the U.S. Green Building Council's LEED requirements for Low-Emitting Materials (Version 2.0, IEQ Credit 4).

### **-California Air Districts**

All Wilsonart PVA adhesives and Wilsonart's water-based contact adhesive, WA H2O, are exempt from all or parts of the adhesive regulations in the following air districts:

Bay Area AQMD (Rule 8-51, Section 115)  
El Dorado County APCD (Rule 236, Section 1.E.2.)  
Placer County APCD (Rule 235, Section 103.2)  
Sacramento Metropolitan AQMD (Rule 460, Section 110.6)  
San Joaquin Valley Unified APCD (Rule 4653, Section 4.1.2)  
Santa Barbara County APCD (Rule 353, Section B.1.g.)  
South Coast AQMD (Rule 1168, Section k.3.)  
Ventura County APCD (Rule 74.20, Section C.4.)  
Yolo-Solano County AQMD (Rule 2.33, Section 110.2)

### **-Wood Furniture Coating NESHAP**

The following Wilsonart contact adhesives qualify for usage by 'new sources' under this national emission standard for hazardous air pollutants (NESHAP) by virtue of containing less than 0.2 pounds of volatile hazardous air pollutant (VHAP) per pound of solids:

WA H2O, WA 810, WA811, WA 830

The following Wilsonart contact adhesives qualify for usage by 'existing sources' under this NESHAP by virtue of containing less than 1.0 pound of volatile hazardous air pollutant (VHAP) per pound of solids:

WA H2O, WA400, WA500, WA550/1, WA800/1, WA830, WA860/1,  
WA880/1, WA950/1, WA980/1, WA990/1

### **Environmental Pursuits**

Our Temple, Texas-based facility is a voluntary member of the Texas Natural Resource Conservation Commission's 'Clean Texas Partners' program. Under this program, the plant has committed to reducing certain waste streams by 10% (scaled to production) over a 3 year period as compared to a 1999 baseline.

### **Progressive Product Development Efforts**

Wilsonart leads the industry in the development of high solids, solvent-based contact adhesives. These adhesives cover more surface area while emitting less volatile organic compound (VOC) than the 'traditional' contact adhesives offered by our competitors. The use of acetone as a solvent in lieu of other, VOC-containing compounds, and the blending of greater amounts of solids (the materials that actually form the bond between substrates) into a given volume of adhesive, have allowed us to make these advances.

## **Environmentally Sound Manufacturing Facilities and Practices**

-Our facility in Temple, Texas

-has converted to Philips Lighting Co. brand ALTO® low-mercury fluorescent lighting in their office areas

-recycle scrap cardboard, paper, and batteries

-discharge no process waste to sanitary sewer

-send flammable production waste to a fuel-to-energy process known as fuel-blending. This waste provides the energy needed to produce cement at cement kilns across the nation.

-recycle incoming steel raw material drums and complete the loop by purchasing only reconditioned steel drums for packaging of our own products.

-assist customers in complying with local, state, and federal regulations which apply to them by virtue of use of our adhesive products. This includes disposal of PVA adhesive washwater and outdated adhesives.

## **Environmentally Sound Packaging**

From our 330 gallon totes to our 1 gallon cans, Wilsonart insists that recycled (and recyclable) material be used in our packaging, or that the packaging be returnable:

330 gallon stainless steel totes - returnable

330 gallon plastic totes with cage - returnable

330 gallon one-use totes - cardboard shell 100% recyclable

55 gallon steel drums - 100% reconditioned, 100 % recyclable

55 and 30 gallon fiber drums - 5-8% recovered kraft fiber content, 100% recyclable

5 gallon metal pails - contain 55% post-consumer recycled steel, 100% recyclable

5 gallon plastic pails - contain 25% post-consumer resin, 100% recyclable

1 gallon metal cans - contain 55% post-consumer recycled steel, 100% recyclable

## **Clear Product Literature**

-**Certified Product Data Sheets** (CPDS) detail the volatile hazardous air pollutant (VHAP) content, volatile organic compound (VOC) content, density, and solids content for all of our adhesive products. Available on-line at [www.wilsonart.com](http://www.wilsonart.com).

-**Technical Data Sheets** provide an application summary for each product by providing a product description, a listing of product properties, storage requirements, application instructions, performance standards, safety considerations, ingredient listing, emergency information and warranty information. Available on-line at [www.wilsonart.com](http://www.wilsonart.com).

-**Material Safety Data Sheets** (MSDS) provide necessary information to assist in customers' compliance efforts with OSHA's Hazard Communication (HAZCOM) requirements. Available on-line at [www.wilsonart.com](http://www.wilsonart.com).

**-For Further Assistance:** phone 1-800-433-3222 or go on-line at [www.wilsonart.com](http://www.wilsonart.com).