



**PRODUCT SPECIFICATIONS**

	Inspection Method	Value
Solids content	DCC method	60% min.
Viscosity at 25 °C	DCC method	1500 - 2500 mPa.s
pH	DCC method	4.5- 6.5

**TYPICAL PROPERTY**

	Inspection Method	Value
Film Appearance	Visual	Clear, glossy
Tg	DCC method	0 °C
Stabilizing System		Polyvinyl Alcohol

**INTRODUCTION**

DA-143 is a non-plasticized aqueous milky white copolymer dispersion based on vinyl acetate and ethylene. After evaporation of its water content, DA-143 forms a flexible film with best adhesive properties for broad applications.

In generally, DA-143 is used as general adhesive for packaging, bookbinding, and bonding for cigarette papers.

It shows good resistance against aging, light or saponification. As a result, the durability of your products could be enhanced with usage of DA-143 and suitable applicative industrial formulations. Besides, DA-143 is very friendly product for our environment.

From the viewpoint of industrial applications, the compatibility of raw materials is considered important to manufacturers.

Compatibility with different tackifiers, plasticizers, solvents and extenders is generally good, although this has to be checked in each individual case of course.

**RECOMMENDED APPLICATIONS**

As mentioned before, DA-143 provides a soft and flexible film to porous substrates of all kind of common materials.

The popular use of DA-143 is for bonding different substrates, like

- cigarette papers
- printed paper
- lacquered paper

**SAFETY & STORAGE**

In general, DA-143 is considered safe for its intended use. However, as this class of products always contains minor amount of residual vinyl acetate monomers, adequate ventilation is recommended in rooms where DA-143 is handled. Generally when working with polymer emulsions, protective clothes, gloves and also goggles should be used. Splashes on the skin or in the eyes should immediately be removed by irrigation with clean water.

DA-143 should be stored in sheltered areas at temperatures between 5 and 40 °C; do never store under freezing conditions. Opened containers should be closed soon to prevent skinning. If the product is stored for a longer period, stirring is recommended before use. Shelf life of DA-143 is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions.

DA-143 is adequately preserved to prevent microbial contamination. However, if the product is kept in original containers which have been opened, or is transferred to other tanks, the product should be added with suitable preservative package to protect it against microbial attack. Equipment and facilities used to transfer the product should also be kept adequately clean. Finished products manufactured from polymer emulsions usually also require preservation.



**DA-143**

**Dairen Chemical Corporation**

**VAE Emulsion**

---

### **ADDITIONAL INFORMATION**

When DA-143 is used in application we do not mention, the usage of DA-143 is the responsibility of purchaser.

The usage and processing must be complied with related legal regulations.

Our product conforms to the food contact clearance:

FDA 175.105

FDA 176.170

FDA 176.180

BfR XIV

### **SAFETY NOTICE**

Material Safety Data Sheets are available on request from sales offices or may be printed via web site [www.dcc.com](http://www.dcc.com).

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of products is guaranteed under our General Conditions of Sale. Neither Dairen nor its agents nor its distributors accept liability for damages arising from the use of our product or our recommendation. The recommendations should be evaluated by the customers' different operating conditions and raw materials. It is our customers' responsibility to avoid infringement of the rights of third parties. We reserve the right to modify the document as the technical development.