



# DA-371

**Dairen Chemical Corporation**

**VAE Emulsion**

## PRODUCT SPECIFICATIONS

	Inspection Method	Value
Solids content	DCC method	54 - 56 %.
Viscosity at 25 °C	DCC method	500 - 1500 mPa.s
pH	DCC method	4.5- 6.5

## TYPICAL PROPERTY

	Inspection Method	Value
Film Appearance	Visual	Clear, Glossy
Tg	DCC method	7~13 °C
Stabilizing System		Protective Colloid/ Surfactants

## INTRODUCTION

DA-371 is an aqueous non-plasticized milky white emulsion synthesized from vinyl acetate and ethylene. It is mainly designed for interior coating system without solvents and plasticizers.

The emulsion with different paint formulations can bring about many changes of the gloss of indoor-paints in accordance with the customers' demand.

The emulsion is a low odor, low formaldehyde product, and is stabilized by the alkyl phenol ethoxylates-free (APEO-free) system. As a result, it is a safe product for proper use indoors, and is friendly for our environment.

The benefit of interior coating system with DA-371 is still to get the good scrub resistance with high PVC formulation. Besides, it is also suitable for emulsion paint claiming for good resistance against the blocking. It is also used for polymer-bound plaster and textured coating. Outdoor-paint made of the emulsion is also available with suitable paint formulation.

The emulsion can be mixed with filler, pigment, suitable defoamer, and thickening agent. It, however, is noticed the compatibility must be checked via preliminary evaluation before use.

## RECOMMENDED APPLICATIONS

DA-371 is a low emission binder designed for interior coating system free from solvent and plasticizer. After evaporation of its water content, a clear, flexible film with low surface tack is formed. The emulsion, therefore, provides good anti-blocking properties.

Most popular uses can be outlined as follows:

- Low VOC interior paints
- Semi flat and semi gloss paints
- Deep shade paints
- Exterior paints
- Plaster and textured coatings

The emulsion is suitable for coating products with the requirement for the resistance against regular scrub, stain, and weather.

## SAFETY & STORAGE

In general, DA-371 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-371 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-371 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-371 is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions.

DA-371 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-371**

**Dairen Chemical Corporation**

**VAE Emulsion**

---

**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).

WWW.CHEMBALL.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.