



## Kuraray Poval / Mowiol® - Detergents and Cleaning agents

For reasons of convenience and economy, the active materials used in liquid detergents and liquid cleaning agents use usually marketed in diluted form. Despite the high water content, adequate viscosity is required in the mixture so that the active substances do not run off too quickly, eg from vertical surfaces.

Mowiol has proved valuable as a thickener and shine-enhancing agent. It is compatible with detergents and organic solvents in the required concentrations and also supports the surfactant effect of these substances. The foam-stabilizing effect of partially hydrolyzed Mowiol grades is especially useful in the formulation of cleaning agents for beer glasses.

As already mentioned, *industrial and floor cleaners* are usually made alkaline by the addition of ammonia and may contain organic solvents (such as isopropanol). The appropriate Mowiol products for this application are the fully hydrolyzed high-viscosity grades.

A special combination of cleaning agent and strippable coating comprising a Mowiol solution and emulsifier is used as a *record cleaner*.

*Lavatory cleaners* contain amidosulphonic acid. Liquid products available commercially have a high viscosity. Here again the consistency of the solution can be adjusted after it is made up with aromatics by adding fully hydrolyzed high-viscosity Mowiol grades. It is recommended that formalin be added because of its germicidal action. IN the acid pH range it produces high viscosity in the cleaning solution by forming acetal with Mowiol. *Cleaning jellies and pastes* can also be produced in this way.