

PEMULEN™ EZ-4U POLYMERIC EMULSIFIER

The production of a skin care cream is a time and energy consuming process in which the emulsifiers play a central role. **Pemulen™ EZ-4U polymeric emulsifier** can improve our customers' formulations sustainability profile.

FEATURES:

COLD PROCESS

Save energy preparing emulsions at room temperature, compared to traditional hot processes (60-80°C) / (140-176°F).

FAST DISPERSION

Reduce mixing time and save energy with rapid aqueous dispersion.

MULTI-FUNCTIONALITY

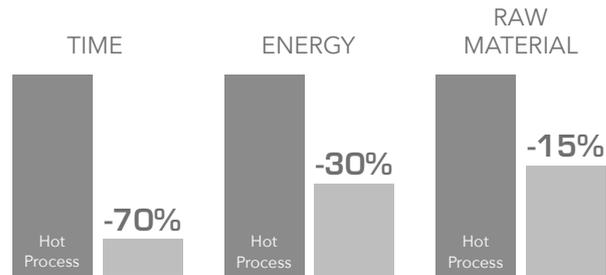
Easily achieved emulsion stability without the need for additional polymeric emulsifiers, co-emulsifiers or fatty alcohols.

In traditional/hot processes, the water phase is known to be the most **energy-intensive** and **time-consuming**.



80% of total **energy** consumption

55% of total **time** consumption



Estimated improvements, based on internal calculation, on the water phase with Pemulen™ EZ-4U polymeric emulsifier.