

# AakoFilm PA-20

## VP/Eicosene Copolymer

### Description

AakoFilm PA-20 is a light colored solid film former which shows superior long lasting water repellency and rub resistance. AakoFilm PA-20 is also an excellent pigment dispersant and suspending agent for sun screen pigments such as Titanium Dioxide (AakoSun TiO<sub>2</sub>) and Zinc Oxide (AakoSun ZnO). As a result addition of AakoFilm PA-20 is able to boost the SPF of sun screen formulations.

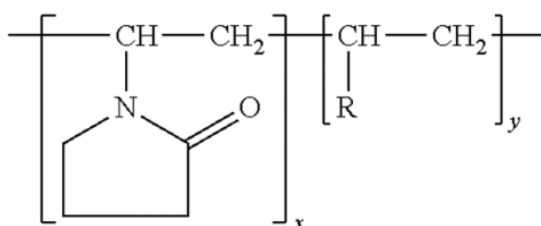
Aakofilm PA-20 is a useful ingredient to include in long-lasting sunscreen creams and lotions or anhydrous formulations.

Aakofilm PA-20 is solid at room temperature, but is a liquid above 43°C and can be used in cold-process formulations. AakoFilm PA-20 also easily dissolves in many emollients and liquid oily UV-filters. Premix AakoFilm PA-20 with pigments or oil soluble UV-filters for easy incorporation. AakoFilm PA-20 is amphiphilic and will usually enhance the stability of emulsions. However, it may be necessary to adjust the level of traditional emulsifiers if adding AakoFilm PA-20 to an existing formulation.

Use level in sun care formulations 1-2 %.

Aakofilm PA-20 can also be used in other applications such as insect repellency, colour cosmetics, skin and hair care.

Chemical name	2-Pyrrolidinone, 1-ethenyl-, polymer with 1-eicosene
INCI name	VP/Eicosene Copolymer
CAS number	28211-18-9



R = Eicosyl

## AakoFilm PA-20

### Typical properties

Appearance	White to pale yellow flake
Solids content	96 % Minimal
Colour (50% w/w in Toluene)	≤ 2

### Storage:

When stored cool in the original unopened containers, this product has a usable life of 24 months from the date of production.