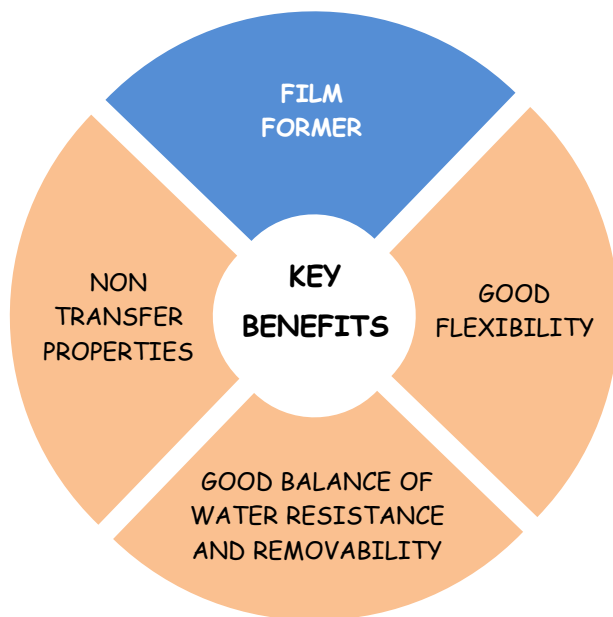


COMPOSITION	
INCI NAME	ACRYLATES/ETHYLHEXYL ACRYLATE COPOLYMER



## Use guideline

- Add at the end of the process at a temperature below 40°C
- Easy to use : low viscosity
- Ready for use: no prior polymer dispersion or neutralization required
- Use level: 0.1-60%

## Cosmetic benefits

- Forms a transparent, flexible and glossy film
- Can provide a tightening effect on the skin to help reduce the appearance of fine lines with a natural look.
- Provides a high wear comfort
- Brings long lasting and maintains a good coverage on the skin with non tacky afterfeel
- Provides transfer resistance in colored cosmetics

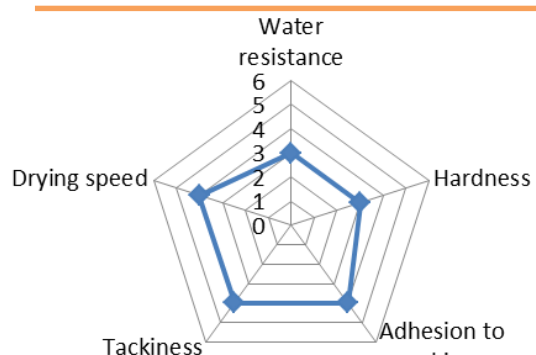
## Chemical and physical properties

- Appearance: milky white liquid
- Odor: characteristic
- Solid content = 50±2%
- Preservative-free
- Tg ~ -13°C
- pH ~ 2,0-5,0
- Viscosity ~ 50-200 mPa.s

## Formulation

- **pH:** up to 8,0
- **Salts:** compatible
- **Alcohols:** compatible
- **Surfactants:** compatible
- **Oils:** compatible
- **Pigments:** compatible
- **Treated pigments:** compatible with all DAITO's treatment
- **Thickeners:** compatible with synthetic (carbomers or polyacrylates) and natural (xanthan gums or cellulose derivatives)
- **Film formers:** compatible with cellulose derivatives
- **Beads:** compatible with MAKIBEADS, CELLULOBEADS
- **Fibers:** compatible with Nylon, Rayon and PLA fibers

## Performance properties



## Film flexibility



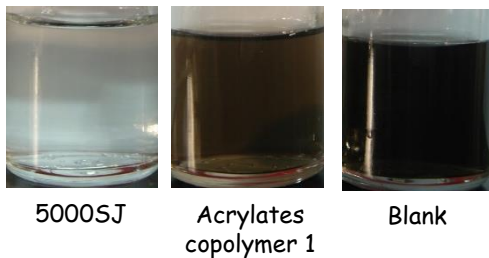
Artificial skin is coated with sunscreen (0,08g/cm<sup>2</sup>) and dried for 1 hour. Each sample is stretched and then released back to its normal state. DAITOSOL 5000SJ helps maintain the uniformity of the sunscreen film on the skin.

## Tightening effect



A formulation containing 5% of 5000SJ is applied to the neck. The fine lines are smoothed.

## Water resistance of eyeliner



The evaluation of water resistance of eyeliner formulation is conducted by immersion in water. The eyeliner is applied on a PET film (thickness 0,1 mm). After drying (1 hour), the film is immersed in water for 5 minutes. The water resistance is evaluated by controlling the water transparency. The formulation with 5000SJ shows improved water resistance.

## Applications

### MASCARAS

DKK 007 FDA carbon black fiber mascara  
DKE 88 Volume mascara

### SKIN CARE

DKK 073 Lifting gel  
DKE 135B Waterproof drop of sun for body

### FOUNDATIONS

DKE 69 Liquid foundation ASI

### LIPSTICKS

DKE 230 Long lasting luminous lipstick cream

## Safety and regulatory information

**Product safety:** A CAMVA-14 days test indicated that acrylates/ethylhexyl acrylate copolymer is non irritant.

**Material Safety Data Sheets** are available for all DAITO KASEI's products.

**REACH:** All the ingredients, unless exempted, will be registered on May 2018.

## For additional information

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