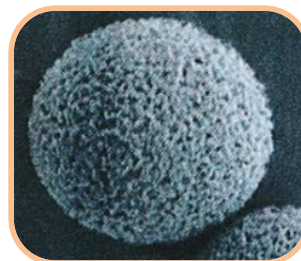
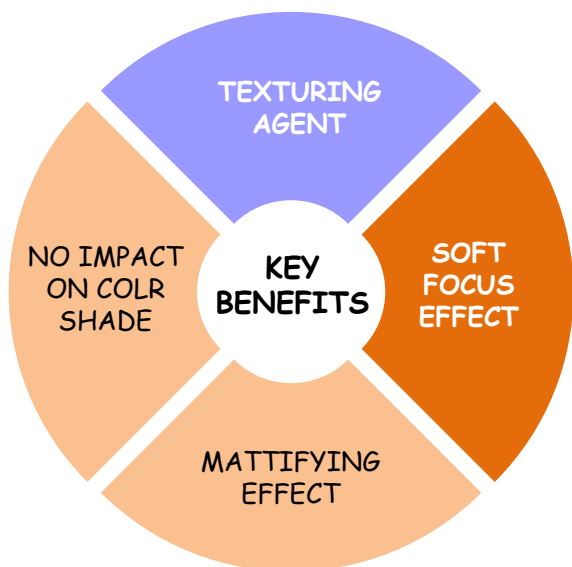


COMPOSITION	
INCI Name	ACRYLATES/ETHYLHEXYL ACRYLATE CROSSPOLYMER



## Chemical and physical properties

- Porous, soft and elastic beads
- White powder
- Characteristic odor
- Specific area  $\approx 15\text{m}^2/\text{g}$

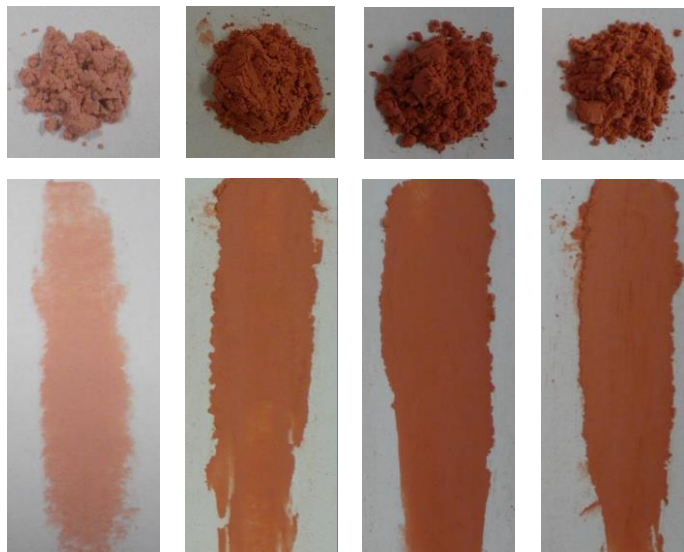
## Formulation

- **pH:** stable over a pH range of 4 to 10
- **Film formers:** compatible with acrylics
- **Alcohols:** compatible
- **Pigments:** compatible
- **Organic solvents:** compatible
- **Heat:** good heat resistance

A hydrophobic treated grade is available  
OTS-5 MAKIBEADS SP10

## Color shade

TiO <sub>2</sub> + untreated red iron oxide	MAKIBEADS SP10 + ASL- red iron oxide	MAKIBEADS SP10 + OTS-red iron oxide	MAKIBEADS SP10 + MST-red iron oxide
--	---	--	--



## Use guideline

### Emulsions:

- W/O emulsions: Add at the end of process
- O/W emulsions: Disperse it into the oil phase
- Use level: 0,1-10%

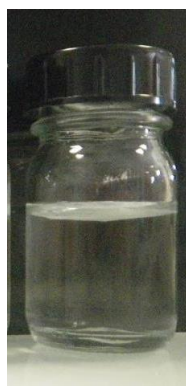
### Powders:

- Mix with other powders
- Allow binder free formulations
- Low compacting pressure has to be applied
- No color fading
- Use level: 0,1-40%

## Cosmetic benefits

- Absorb sweat and sebum resulting in a dry and matte effect on the skin
- Can be used in sun care emulsions to reduce the tackiness and shininess of sunscreens
- Provide a velvet skin feel
- With ASL-treated pigments, silicon touch textures can be achieved

## Dispersibility in water



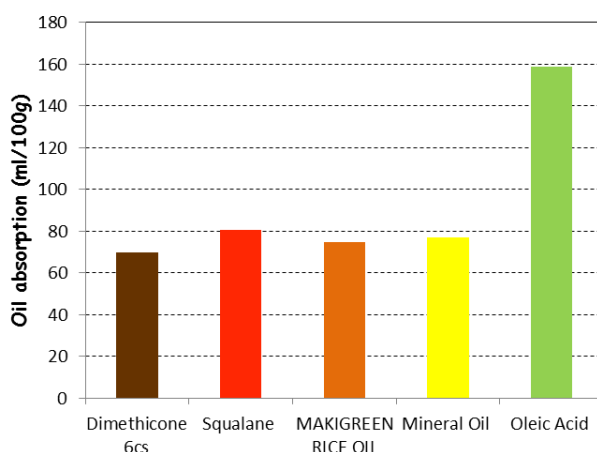
Before shaking



After shaking

- MAKIBEADS SP10 show excellent hydrophobicity

## Oil absorption



- Oil absorption is carried out at a high rate over a relatively short time
- Higher absorption of oleic acid (sebum like)

## Applications

### POWDERS

DKE 35B Pressed powder foundation binder  
free-MST pigments

*No need of liquid binder  
Allow lower compacting pressure*

### FOUNDATIONS

DKE 171 WO silicon free cameleon  
foundation SPF

*Impart a long lasting mattifying effect due to their high oil absorption capacity and their spherical form (multidirectional light diffusion)*

## Safety and regulatory information

**Product safety:** Acrylates/ethylhexyl acrylate crosspolymer produce non irritation to the eyes and the skin and is non mutagenic.

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

**REACH:** Acrylates/ethylhexyl acrylate crosspolymer is exempted from registration

Acrylates/ethylhexyl acrylate crosspolymer is listed on the major chemical inventories such CTFA, CosIng, KCID, IECIC2003 and/or IECIC 2014.

### For additional information

#### Please contact:

DAITO KASEI EUROPE SAS  
62 boulevard Henri Navier  
Taverparc Bât 5.2  
95150 Taverny - FRANCE  
☎ : +33(0)1 30 40 01 01  
☎ : +33(0)1 30 40 01 11  
✉ : [dkeurope@dkeurope.fr](mailto:dkeurope@dkeurope.fr)

HEAD OFFICE  
DAITO KASEI KOGYO Co., LTD  
1-6-28 Akagawa, Asahiku  
Osaka - JAPAN  
☎ : 81 6 6922 1632  
☎ : 81 6 6921 9562

DAITO KASEI CHINA  
6F/room 612  
555 Wuding road Jing An District  
Shanghai, CHINA 200040  
☎ : +86 21 32 53 25 16

The information presented within this sheet is offered in good faith, and is based on our present state of knowledge. It is offered for informational and evaluation purposes only. Users of DAITO KASEI product should initiate their own testing to determine the suitability of this product for their intended purpose. DAITO KASEI assumes no liability or responsibility for any damage to person or property resulting from the use of this product or the incorporation of this product into any final formulation or product. Statements concerning the use of this product are not to be construed as a recommendation, suggestion or inducement to use the product in any way or within any formulation that is unlawful to create or sell, that violates any applicable regulations or that infringes upon any patent. No liability arising out of such a use is assumed.