

# KSG-820

## Emulsifying Silicone Elastomer

### Silicone Emulsifier

- **Features & Advantages**
- Emulsions W/O
  - Quick breaking creams
  - Polyglycerin emulsifier, PEG free
  - Good compatibility with organic oils and esters
  - Silky skin feeling

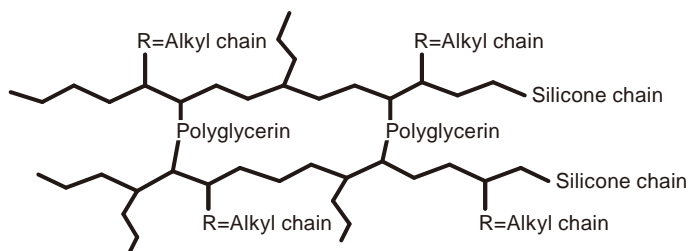
- **Applications**
- Skin care
  - Make-up

- **Percentage of use** 2-5 %

- **INCI name** ISODODECANE (AND) LAURYL DIMETHICONE/  
POLYGLYCERIN-3 CROSSPOLYMER

\* This does not represent all composition.  
Please contact Shin-Etsu sales representative for details.

■ **Structure**



■ **Characteristics**

Properties	Unit	Values	Standard method / condition
Appearance (color)	—	Colorless to light yellow	Visual observation
Appearance (transparency)	—	Slightly haze to cloudiness	Visual observation
Appearance (form)	—	Paste to gel	Visual observation
Percentage of active raw material	%	20-30	
Worked penetration	—	340	JIS K 2220
Specific gravity	—	—	Densimeter
Refractive index	—	1.420	Refractometer

(Not specific values)

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### ■ Solubility / compatibility

KF-995 (Cyclopentasiloxane)	R
KF-96A-6cs (Dimethicone)	R
KF-96A-20cs (Dimethicone)	R
KF-96A-100cs (Dimethicone)	R
Isododecane	B
Mineral oil	O
Squalane	R
Isotridecyl Isononanoate	O
Cetyl caprylate	O
Jojoba (Buxus Chinensis) Oil	R
Triethylhexanoin	O
Triisostearin	O
Macadamia Ternifolia Nut Oil	R

B : Base oil  
O : Optional amount  
R : Restrictive use

### ■ Processing (How to use)

The product is ready to use. In case of solidification, please apply high shearing before use.

The product must be pre-dispersed in an adequate silicone or oil phase.

The emulsion must be done at a spindle speed lower than 1000rpm. After emulsion, high shiring must be applied.

For further information, please contact us.

### ■ Packaging

15 kg can

### ■ Storage

The silicone products may deteriorate when it comes in contact with heat, light, acid, alkaline, etc.

Be sure to seal tightly and store in a cool dark place away from heat and flame.

### ■ Safety

Please consult our SDS.

### Warning to users

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