

ANTIPERSPIRANT <Stick Type> AP-S3GE

EB-21 and **GP-1** gelatinize cyclomethicone into stick form.

Non-greasy, non-whitening antiperspirant formulation.

Addition of propylene glycol lowers the dissolution temperature of the oil gelling agents.

(Refer to Technical Data Sheet No. 1510-0370E)

	(wt%)	
A EB-21	3.0	Oil gelling agent
GP-1	5.0	Oil gelling agent
PROPYLENE GLYCOL	6.0	Solvent for EB-21, GP-1
HEXYLDECANOL *1	18.0	Solvent for EB-21, GP-1
B CYCLOPENTASILOXANE *2	Balance	Base oil
PPG-14 BUTYL ETHER *3	7.0	Solubilizing agent
ALUMINUM ZIRCONIUM TETRACHLOROXYDREX GLY *	16.0	Antiperspirant
TALC	1.2	Opacifying agent
AMIHOPE LL	0.5	Sensory improver
SILICA	0.1	Opacifying agent
C TOCOPHEROL	q.s.	Antioxidant
	100.0	

- 1 Dissolve part A at 95°C with stirring.
- 2 Cool the solution down to 75 .
- 3 Mix part B with stirring at 70°C.
- 4 Add part A to part B at 70°C, and mix with stirring.
- 5 Add part C, and mix with stirring.
- 6 Cool down to room temperature. Solidification temperature is about 50 °C.

- | | |
|---------------------|---------------------|
| * 1 RISONOL 16SP | KOKYU ALCOHOL KOGYO |
| * 2 SH245 Fluid | DOW CORNING TORAY |
| * 3 PROBUTYL 14 | CRODA |
| * 4 REACH AZP-908 O | REHEIS |

Stability 5°C, 25°C, 40°C for one month.

Note; The information is provided based upon our technical data and present knowledge. However, we make no warranties, expressed or implied, and assume no liabilities in connection with any use of the information with respect to specific property, safety and suitability for a specific application. It is also not guaranteed that use of the information does not fall within the scope of any intellectual property rights.