

Honeywell Asensa® SC 401

INCI Name:
Ethylene/Acrylic Acid Copolymer

CAS: 9010-77-9

EINECS: 200-815-3 (Ethylene monomer), 201-177-9 (Acrylic acid monomer)

Listed in the following registries:

TSCA (US), DSL (CAN), ENCS (Japan), AICS (Australia), IECSC (China), KECI (Korea), PICCS (Philippines)

PRODUCT DESCRIPTION

Asensa SC 400 and **Asensa SC 401** are high quality copolymers of ethylene and acrylic acid and therefore have an inherent polarity that increases their compatibility with other polar oils and aids in dispersing various active ingredients. They differ only in particle size with pellet material being used to thicken or gel anhydrous systems or oil phases of emulsions. The smaller particle size material is used primarily in cleansing applications where exfoliation is desired. The average particle size and shape of this material provides a moderate degree of exfoliating and the beads tend to be more transparent than other polyethylene grades.

TYPICAL PROPERTIES

Property	Asensa SC 401
Color (Klett Max)	60
Hardness @ 25° C (dmm)	2.5
Drop Point, Mettler (°C)	105
Density (g/cc)	0.93
Viscosity @ 150° C Brookfield (cps)	575
Acid Number (mg KOH/g)	37 – 44
Average Particle Size (µm)	N/A
Physical Form	Pellet

APPLICATIONS

Crystal structure modification structuring of and syneresis control of:

- Lipsticks
- Gels
- Oil based formulations, including fragrance oils

Gelling agent, rheology modifier for use in oil containing formulations such as:

- Balms and oils
- Pomades
- Styling products

Gellation is effective even with natural oils and commonly used solubizing esters. Gellation properties will vary depending on the cooling process. Usage can be from 2% upwards. The product would need to be heated to incorporate into a formulation.

HANDLING

The expiration date for these products is five years after shipment, provided the original packaging is intact. Please see product MSDS for any further handling instructions.

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January 2009
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