

Repoly 335

INCI Name:

Acrylamide/Sodium Acryloyldimethyltaurate

Copolymer & C13-14 Isoparaffin & Laureth-7

CAS Number:

38193-60-1 & 246538-79-4 & 3055-97-8

General Information:

Repoly 335 is liquid, ready-to-use rheology modifier, stabilizer, thickener and emulsifier. It swells fast and allows you to create gel or cream immediately without neutralization or heat, emulsifies all kinds of oils, disperses pigment and physical sunscreen, makes the cream with soft, supple and shining textures.

Specification:

Item	Specification
Appearance (25°C)	Milky white liquid
Solid content (150°C, 2g, 3h, %)	45.0-50.0
Emulsion viscosity (25°C, M3V20, mPa·s)	1000-4500
Viscosity (25°C, 2% aqueous solution, M6V5, mPa·s)	60,000-90,000
Viscosity (25°C, 3% aqueous solution, 0.1% NaCl, M5V5, mPa·s) min	30,000
Residue acrylamide (mg/kg) max	2.0

* These values indicate typical specification; they are not intended to be used as product specifications.

Benefits:

- No need premix, heat or extra treatment, can be added in any step of emulsifying.
- Good thickening performance at low dosage.

- Can be used over a wide range of pH 3.5-11.5.
- Applicable to all kinds of oils such as vegetable oil, polar and non-polar oil, without heating or other extra treatment.
- Applicable to formula containing high content silicone.
- Stabilizing organic or inorganic pigment in formula, thickening some formulas containing 40% alcohol, other organic solvent and polyol.
- No influence on viscosity after long-time high-speed shearing.
- No influence on viscosity under UV radiation.

Application:

- Cream, lotion, creamy gel
- Make-up foundation and sunscreen cream
- Formula containing polar solvent, alcohol and polyol
- Formula containing silicone or AHA
- Hair treatment and hair styling products

Formula guidelines:

Cold Process, blend Repoly 335 with oil phase. Add water phase into oil phase. Mix them until uniform.

Hot Process, heat oil phase and water phase separately to 75-80°C. Add oil phase into water phase while mixing. Then add Repoly 335 into the emulsion at 60°C. Homogenize moderately for 15-20 minutes.

Dosage:

Used solely: 2.0-5.0%

Used with other emulsifier: 0.2-2.0%

Storage & Handling:

Standard Packing:

35kg / drum

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Storage:

- (1) Keep in cool, dry, ventilated and lightless place.
- (2) The product may be layered. Please stir it evenly before use, and the performance will not be affected.

Shelf life:

24 months