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# Irgastab® PVC 11 EM

## New liquid stabilizer emulsion for PVC polymerization processes

### Characterization

Irgastab PVC 11 EM is a 40% active aqueous micro-emulsion of Irgastab PVC 11, a thermal stabilizer package for vinyl polymers. It protects the substrates against thermal degradation of polyvinyl chloride (PVC) during manufacturing, processing and end-use.

### Applications

Irgastab PVC 11 EM is recommended particularly for the stabilization of PVC. In addition to imparting thermal stability to the finished polymer, Irgastab PVC 11 EM is effective as chain stopper during PVC polymerization.

### Features/benefits

The desired quantity of Irgastab PVC 11 EM can easily be added or dosed into the polymerization system. Because the thermal stabilizer is uniformly dispersed in the reaction mixture, the resulting PVC develops improved qualities, such as excellent heat stability, low color and high thermal stability. The formation of fish eyes in film applications can also be reduced considerably. Additionally, Irgastab PVC 11 EM imparts excellent chain terminating properties during PVC polymerization.

### Product forms

Irgastab PVC 11 EM      white to slightly yellow liquid emulsion

### Guidelines for use

Irgastab PVC 11 EM can be recommended at concentration levels of about 0.03%–0.08% as chain stopper for the PVC polymerization.

### Physical properties

Particle size distribution	1 – 10 µm
Specific gravity (25 °C)	0.97 g/ml
Viscosity (25 °C, shear rate $\geq 58 \text{ s}^{-1}$ )	$\leq 300 \text{ mPa}\cdot\text{s}$
Vapor pressure (20 °C)	4 E-6 Pa

### Health & Safety

Irgastab PVC 11 EM exhibits a very low order of oral toxicity and does not present any abnormal problems in its handling or general use.

Detailed information on handling and any precautions to be observed in the use of the product(s) described in this leaflet can be found in our relevant health and safety information sheet.

**Note**

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