

Polymer Chemicals & Curing Agents

Product selection guide | English | October 2026

Reference values support grade selection; they are not a batch certificate. Final specifications and supply conditions are confirmed for the selected grade. Request the current TDS, SDS and COA from WKDT.

Methyl ethyl ketone peroxide (MEKP)

Application	Peroxide formulations for curing unsaturated polyester and vinyl ester systems.
Form & grade	Formulated liquid grades.
Reference data	CAS: 1338-23-4 Grade selection by resin system and cure response
Selection points	Compare active oxygen, gel/cure performance, carrier and current SDS for the exact grade.

Dibenzoyl peroxide (BPO)

Application	Organic peroxide grades for thermoset curing applications.
Form & grade	Formulated dispersions, powders or granules.
Reference data	CAS: 94-36-0 Concentration and carrier vary by formulation
Selection points	Confirm formulation, dispersion requirements and grade-specific handling documents.

Request the selected grade, samples and current TDS / SDS / COA from WKDT.

Polymer Chemicals & Curing Agents

Product selection guide | English | October 2026

tert-Butyl peroxybenzoate (TBPB)

Application	Perester option for thermoset resin curing systems.
Form & grade	Liquid peroxide grades.
Reference data	CAS: 614-45-9 Select grade for the specified resin and process
Selection points	Review cure profile, active oxygen, carrier and required transport/storage conditions in the SDS.

Ammonium persulfate (APS)

Application	Initiator for water-based polymerization; oxidation applications.
Form & grade	Crystalline persulfate salt.
Reference data	Formula: $(\text{NH}_4)_2\text{S}_2\text{O}_8$; molar mass: 228.2 g/mol Reference grade purity: $\geq 99.0\%$ Reference active oxygen: $\geq 6.94\%$
Selection points	Confirm particle size, additive content, moisture and lot COA; use the current grade-specific SDS.

Request the selected grade, samples and current TDS / SDS / COA from WKDT.

Polymer Chemicals & Curing Agents

Product selection guide | English | October 2026

Sodium persulfate (SPS)

Application	Polymerization initiation and chemical etching applications.
Form & grade	Crystalline persulfate salt.
Reference data	Formula: Na ₂ S ₂ O ₈ ; molar mass: 238.1 g/mol Reference grade purity: ≥99.0% Reference active oxygen: ≥6.65%
Selection points	Confirm particle size, additive content, moisture and lot COA; use the current grade-specific SDS.

Potassium persulfate (KPS)

Application	Polymer manufacturing and paper-treatment applications.
Form & grade	Crystalline persulfate salt.
Reference data	Formula: K ₂ S ₂ O ₈ ; molar mass: 270.1 g/mol Reference grade purity: ≥99.0% Reference active oxygen: ≥5.86%
Selection points	Confirm particle size, additive content, moisture and lot COA; use the current grade-specific SDS.

Request the selected grade, samples and current TDS / SDS / COA from WKDT.