



EcoFlameRetardant-S-336

### 3-PHENYLSULFONYLBENZENESULFONIC ACID POTASSIUM SALT

**Chemical Name:** 3-Phenylsulfonylbenzenesulfonic acid potassium salt

**Brand Name:** EcoFlameRetardant S-336

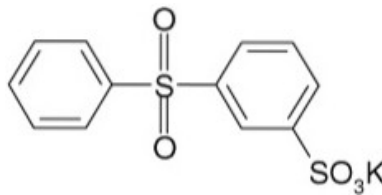
**Equivalent Grade:** Arichem KSS

**CAS NO.:** 63316-43-8

**Chemical Formula:** C<sub>12</sub>H<sub>9</sub>KO<sub>3</sub>S<sub>2</sub>

**Molecular Weight:** 336.0

**Chemical Structure:**



#### Application:

EcoFlameRetardant S-336 is extremely effective as a flame retardant additive with premium performance in polycarbonate at very low additive levels.

EcoFlameRetardant S-336, a non-halogenated product, is said to provide excellent FR effectiveness at fractional loading levels of less than 1 wt% in a PC formulation while maintaining the transparency inherent in the thermoplastic. A white powder, it is the potassium salt of a complex of diphenyl sulfone sulfonate and diphenyl sulfone disulfonate. For most effective incorporation it is recommended that the additive be initially dispersed into a 10% or more masterbatch and then compounded into the final plastic blend. Dispersion can be achieved effectively with typical polycarbonate processing equipment.

#### Technical Data Sheet

Analysis Item		Best grade	First Grade
Appearance		White powder	White powder
KSS by HPLC	Ω	70-80	77.3
DKSS by HPLC	Ω	1A-?4	?1 ??

*(Information is missing from this form.)*