

XZ-EFKSS – Flame Retardant

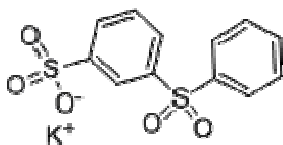
Potassium diphenyl sulphone sulphonate

CAS: 63316-43-8

EINECS: 264-097-3

Description and Applications

XZ-EFKSS is a nonhalogenated flame retardant and is the potassium salt of a complex of diphenyl sulfone sulfonate and diphenyl sulfone disulfonate. KSS does not affect the transparency of polycarbonate formulations as it has the same refractive index as polycarbonate. KSS is more economical to use than potassium perfluorobutylsulfonate. **XZ-EFKSS** is a white powder and provides flame retardant performance at fractional loading levels or at less than 0.5% by weight in the polycarbonate formulation. Therefore, it may be helpful to produce and utilize **XZ-EFKSS** in concentrate form for more effective dispersion into the polycarbonate matrix.



XZ-EFKSS is a superior flame retardant for transparent polycarbonate compounds. It can also be used in translucent and opaque polycarbonate formulations.

Benefits and Features

XZ-EFKSS is a white powder and provides flame retardant performance at fractional loading levels or at less than %0.6 by weight in the polycarbonate formulation. Therefore, it may be helpful to produce and utilize **XZ-EFKSS** in concentrate for more effective dispersion into the polycarbonate matrix. For some specific FR formulations, **XZ-EFKSS** is used in fractional loading in combination with other flame retardants such as bisphosphate like RDPor BDP for PC/ABS formulations.

Typical Properties

Appearancewhite powder
Moisture % < 1.5%
Color (APHA) Max. 30
PH (5% in water)6.5-7.3
Density (G/CC)1.4-1.6
Iron ppm: < 5
Water Solubility :Soluble

Shipping Information

Packing:
Hazard class: Non Hazardous
UN No. NA

The information in this data sheet is, to the best of our knowledge, true and accurate. The representations about the product are based upon test results achieved under laboratory practices supervised and controlled by Shandong Brother. Since formulations, preparation or conditions of use may vary, Shandong Brother unable to guarantee the same performance as indicated. Nothing contained herein shall constitute a guarantee or warranty with respect to the product or its uses, nor does Shandong Brother assume any liability therefore. The user is responsible for determination of suitability of any material or practice for a specific purpose and for adoption of such safety precautions as may be necessary. A Material Safety Data Sheet is available for this product. Users of this product are urged to study and use the information in the Material Safety Data Sheet. Shandong Brother does not warrant against infringement of any patent which might arise by the use of Shandong Brothers product in any combination with other products or arising in the operation of any process.

Shandong Brother
Science & Technology

SHANDONG BROTHER SCI.&TECH. CO.,LTD
Yangkou Town West ,Shouguang City ,Shandong province
262700

www.oceanchemical.com
www.oceanchemie.com

Phone : 0086-536-5268256
Fax: 0086-536-5268259
US Office: 818-952-2883