

1-Ethyl-3-methylimidazolium Ethylsulfate

TECHNICAL DATA SHEET

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01 Product overview

1-Ethyl-3-methylimidazolium Ethylsulfate is supplied as pure ionic liquid. It is intended for the applications and performance ranges described in this document.

02 Basic information

Property	Value
Product name	1-Ethyl-3-methylimidazolium Ethylsulfate
Short name	EMIM EtSO ₄
CAS number	342573-75-5
EC number	460-100-9
Molecular formula	C ₈ H ₁₆ N ₂ O ₄ S
Molecular weight	236.29 g/mol
Appearance	Colorless to pale-yellow transparent liquid

03 Product features

- Good conductivity and electrochemical stability; miscible with a range of materials
- Halogen-free and less corrosive to equipment
- Low vapor pressure, low melting point, wide liquid range and good thermal stability

04 Typical specifications

Property	Specification	Method / remarks
Appearance	Colorless to pale-yellow transparent liquid	Visual
Water	<0.05%	Karl Fischer
Purity	>99.0%	HPLC
Viscosity	<200 mPa.s	Viscometer
Color	<200 Hazen	Colorimeter
Density	1.24 g/cm ³	-

05 Recommended applications

- Ionic-liquid antistatic agent for coatings and inks
- Antistatic additive for TPU, nylon, PS, HIPS, ABS and rubber
- Organic extraction agent or solvent

06 Packaging

50 g, 100 g, 500 g and 1 kg fluorinated bottles; 5 kg, 25 kg and 200 kg plastic drums; 1,000 kg IBC. Custom packaging available.

07 Storage and handling

Store sealed in a cool, dry, well-ventilated place away from light, fire and heat. Store at 5-35 C. Shelf life: 12 months. Reseal promptly after opening.

08 Disclaimer

This information is provided in good faith based on current knowledge. Conditions and methods of use are beyond the supplier's control. The user is responsible for evaluating the product for the intended application and required performance. For reference only. Final requirements are subject to the executed contract and current product documentation.

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