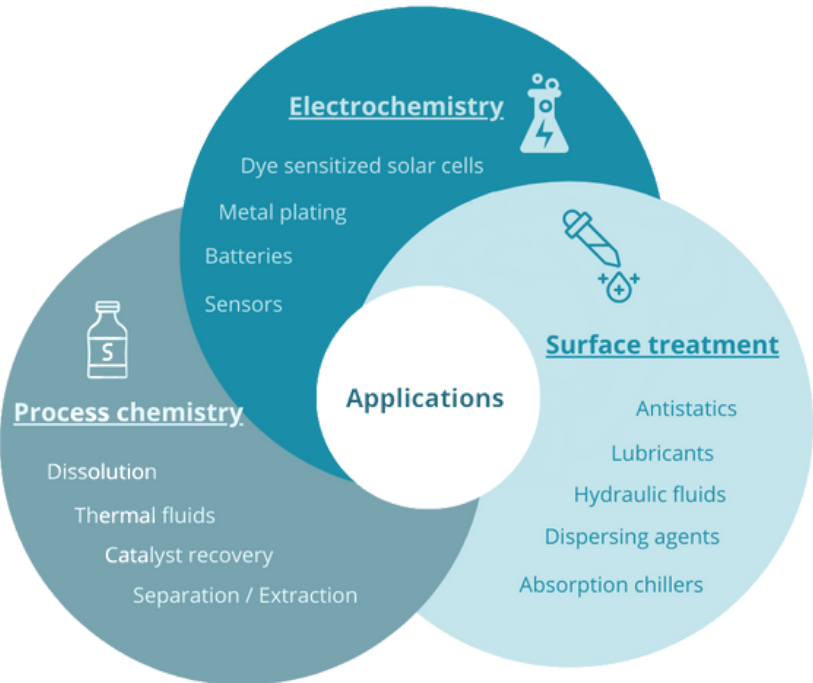




Ionic Liquid : Intriguing solvent



- Ionic-liquid-assisted technologies¹ such as antistatics²
- Electrolytes for lithium (ion) batteries³
- Preparation of conductive ionogels for CO₂ separation⁴
- Preparation of solid electrolytes for hybrid capacitors⁵
- Enabling sodium (ion) batteries⁶
- Binary and ternary low-temperature (−40°C) super-capacitor electrolytes⁷
- Electrolytes with tunable transport properties⁸

Zoom on : EMIM FSI, an innovative solution for a wide range of applications

CN1C=CN(CC1)[+].[O-]S(=O)(=O)S(=O)(=O)[F-]

- Colourless
- Non-volatile solvent
- High solubilizing power
- FSI anion capable of producing favorable passivation layers on electrodes
- Miscible with other polar solvents and ionic liquids
- Low surface tension and good wetting properties

Melting point (°C)	Electrochemical window (V)	Density (g/ml)	Viscosity (mPas.s at 25°C)	Conductivity (mS/cm at 25°C)
-14	5.4	1.44	19.4	17.7

Product reference : IM0233, CAS: [235789-75-0], [click here](#)

Packaging : From 10g to 40 ton per year

Publications:

(1) *Molecules* 2020, 25 (21), 5207.

(2) *Polymer Testing* 2022, 112, 107649.

(3) *J Solution Chem* 2019, 48 (7), 992–1008.

(4) *Membranes* 2020, 10 (3), 46.

(5) *Electrochimica Acta* 2025, 514, 145568.

(6) *ChemSusChem* 2017, 10 (8), 1783–1791.

(7) *Electrochimica Acta* 2020, 350, 136416., *ChemSusChem* 2021, 14 (4), 1196–1208.

(8) *Advanced Energy Materials* 2022, 12 (25), 2200862., *Phys. Chem. B* 2024, 128 (11), 2782–2791.

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