

ELECTRONICS

Solvents in Electronics – Soldering

Why is the role of solvents essential?

Solvents: The Scientific Backbone of Metalworking Fluids

Essential Solvents: The Key to Reliable Electronics

Soldering is essential for assembling electronic devices, but equally important is the use of solvents. They maintain the integrity of soldered connections, ensuring the long-term reliability and performance of electronic products. By optimising the use of flux and solvents, we can achieve greater efficiency, reduce waste, and produce high-quality electronics that meet the demands of today's technology-driven world.

Soldering: The Backbone of Reliable Electronics

Soldering is a fundamental process in electronics manufacturing, ensuring secure and conductive connections on circuit boards. By melting solder, a filler metal, a robust electrical connection is formed. Without soldering, components would be loosely connected, leading to poor conductivity and potential device failure.

The Importance of Solvents

Solvents are indispensable in soldering, ensuring the quality and reliability of connections. Flux removes oxide layers from metal surfaces, enabling optimal connections. However, some fluxes are corrosive and must be removed after soldering. This is where solvents come into play: they precisely and efficiently remove flux residues, prevent corrosion, and avoid malfunctions. This enhances component durability, increases productivity, and reduces waste.

Detailed Benefits of Solvents

Effective cleaning with solvents not only enhances the durability of the components but also contributes to higher productivity and less production waste. By removing harmful residues, solvents ensure that electronic devices operate reliably and have a longer lifespan. This is crucial for maintaining the integrity and functionality of electronic devices in the long term.

INDUSTRIAL USE

SPOT ON
"Ethanol, Acetone"
IPA (i-Propanol)
"Glycol Ethers: P- and E-Series"



Benefit Green Deal

Longer lasting products that can be repaired, recycled and re-used



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European Chemical Industry Council - Cefic aisbl
EU Transparency Register n° 64879142323-90

