

DIGITAL

ELECTRONICS

Solvents in production of microchips

Why is the role of solvents essential?

Ultrapure or electronic-grade solvents, containing extremely low levels of metal ions, play a critical role in the production of microchips. Metal ions can lead to short circuits, resulting in poor-quality microchips. Electronic grade solvents such as IPA, acetone or n-butyl acetates are used to dissolve a photo-sensitive polymer, which is subsequently spun on a silicon wafer to create the micro-circuit.

Moreover, solvents are essential for cleaning the surface of both wafers and circuits during the manufacturing process. Ensuring a pristine surface is crucial for the proper functioning and reliability of the microchips. Thus, the use of electronic-grade solvents with stringent purity standards is fundamental to achieving precise and high-quality microchip production.

INDUSTRIAL & PROFESSIONAL USE



SPOT ON

Alcohols such as:

IPA (CAS: 67-63-0 – EC: 200-661-7)

Acetates such as:

n-butyl acetate (CAS: 123-86-4 – EC: 204-658-1)

Ketones such as:

Acetone (CAS: 67-64-1 – EC: 200-662-2)



Benefit Green Deal

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