

# Metal and Semiconductor Etchants v. 1.0



Metal and Semiconductor Etchants is a collection of 22,438 etching solution or etchants (recipes) collected from the journals and books from about 1930 to the year 2020. Database is searchable with the usual keyword search or by material name (e.g. Ga, Ge, Si, steel, Zr, W, etc.), type of sample (layer, single crystal, thin film, wafer, bulk), method of etching (chemical etching, electrolytic, micro and macro etching, dry etching and wet etching) and etchant name (e.g. CP-4, DHF, HNA, Nital, Secco, etc.).

## Features

Number of etchants: 22,438

### Metal Etchants

Aluminium: 803 etchants  
ASTM: 169 electrolytes for electropolishing  
Carbides: 631 etchants  
Cobalt : 375 etchants  
Copper: 742 etchants  
Lead: 280 etchants  
Macro etchants: 552 etchants  
Named etchants: 1840 etchants  
Nickel: 802 etchants  
Fe and alloys: 1812 etchants  
Tantalum: 186 etchants

### Semiconductor etchants

Dry etching: 1862 recipes  
Germanium - Ge: 219 recipes  
Indium - In: 2179 recipes  
Silicon - Si: 1683 recipes  
Single crystals: 646 recipes  
Wafers: 6242 recipes  
Wet etching: 6000 recipes

## System requirements

**Windows OS:** Microsoft Windows® 95, 98, ME, 2000, XP, Vista, Windows 7, 8, 10 and 11,

**Mac OS:** Mac OS X (Jaguar, Leopard, Lion, Mountain Lion, Panther, Snow Leopard, Tiger, Mavericks, Mojave),

**Linux OS:** OpenSuse, Debian, Slackware, Fedora, Gentoo, Ubuntu.

Recommended: 1 Gb RAM or greater.

Hard disk free space: 800 Mb.

Recommended screen resolution: 800 x 600 pixels.

**Windows:** Browser Microsoft Internet Explorer 8 or higher.

**Mac:** Browser Safari, Mozilla for the OS X

**Linux:** Browser Mozilla, Safari or any other browser which support the Java Script.

## Price

250.00 US \$ (Single user, one computer, phone or tablet)

400.00 US \$ (Server version, Intranet)

## Steel Data

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