

RoHS-Directive and Zünd Knife Assortment

1 RoHS-Directive

RoHS is the **R**estriction of certain **H**azardous **S**ubstances, a directive from the European Union (EU) for environment protection. This bans the use of certain substances in electrical equipment products after 1 July 2006.

1.1 Hazardous Substances

The six (6) substances that are banned under RoHS are cadmium (Cd), mercury (Hg), Hexavalent chromium (Cr (VI)), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and lead (Pb).

2 Zünd Knife

Zünd knives are made of standard tungsten carbide and high speed steel and **are NOT subject of the RoHS directive**.

2.1 Tungsten Carbide

Tungsten Carbide is a chemical compound containing 90 - 94% tungsten carbide and 6 - 10% carbon.

None of these elements is subject of the RoHS directive.

2.2 High Speed Steel

Tool steel containing up to 2.06% Carbon (C) is referred to as high speed steel (HSS). Alloying addition like tungsten, molybdenum, vanadium, cobalt and titanium determine the properties of the steel.

None of these elements is subject of the RoHS directive.

Bibliography

- [1] http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00190023.pdf
- [2] www.macpower.com.tw/files/articles/RoHS_WEEE.pdf
- [3] <http://www.rohs.gov.uk/>