

# What's an incendive Spark?

If you trawl around the net for a while you might well be forgiven for thinking there is no right answer to that question. Some will say it's a friction spark and others will use the term when discussing the spark that is produced in electric switching. Never the less, all seem to point to it as a good source of ignition for a gaseous atmosphere. More specifically, a very good source of ignition for a methane laden atmosphere.

If you continue to trawl you will find that the term 'Incendive Spark' gets a guernsey as the reason aluminium is prohibited in underground coal mines. Apparently it was found that if you strike a piece of rusty steel with a piece of aluminium the chances of creating an 'Incendive Spark' are quite high. Given the fact that it is common for methane to be released as a coal seam is mined, the atmosphere in a typical underground facility would be put at real risk if a spark of this kind was produced. So it's for that reason that the mining authorities in Australia have aluminium bans in place and precisely the same reason why Macnaught has set about creating a range of aluminium free oil and grease products.

For some years now a few of the Macnaught headline products have been produced replacing the regular aluminium components with Zinc. The K29Z FLEXIGUN® single handed pistol grip grease gun for example; The K29Z carries all the features enjoyed by its standard brother, the [K29 FLEXIGUN](#) however with a head cast from zinc instead of aluminium. Also, the highly efficient, lube free, air operated [P3 POWERLUBE™](#) 20kg greasing kit has been manufactured in Sydney using the zinc as standard across the range.

Macnaught has set about adding to the Underground compatible range with the new [K45Z LEVERGUN™](#) offering the same brute power of the standard unit but again with a pressure head cast in zinc. There is the ¾" High Flow [HG100Z](#) oil control nozzle for the largest oil dispense applications, or if it's a hand operated pump to suit 20ltr drums that you need then the [C7-Z](#) with its 100ml per stroke output, 1.8m of delivery hose and manual non drip nozzle may be the solution.

Whatever the underground application, Macnaught may have a product to suit. The Macnaught range of underground coal compatible products is available from Macnaught stockists or can be ordered through you preferred reseller. Have a look on the [macnaught website](#) or call your Territory Manager for more information about this or any other Macnaught product.