

A non effervescent tablet of ibuprofen, comprising a tablet core and, if desired, a sugar or film coat, wherein the tablet core, based on the weight of the tablet core, consists of 50 to 100% by weight sodium ibuprofen hydrate and 50 to 0% by weight auxiliary material component and contains no lubricant and no disintegrant, and wherein the sodium ibuprofen hydrate has a water content of 8 to 16% by weight, preferably 11 to 16% by weight.