

Title (en)
AQUEOUS LUBRICATING COMPOSITION COMPRISING MOS2 NANOSHEET

Title (de)
WÄSSRIGE SCHMIERMITTELZUSAMMENSETZUNG MIT MOS2-NANOBLATT

Title (fr)
COMPOSITION LUBRIFIANTE AQUEUSE COMPRENANT UNE FEUILLE NANOMÉTRIQUE DE MOS2

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Abstract (en)
The present invention relates to a lubricating composition comprising:- water, especially purified water, for example ultrapure water, demineralized water, osmotic water, deionized water;- glycerol;- nanosheets of h- MoS₂, wherein the active content of h-MoS₂ nanosheets is comprised between 0.01 and 0.07 wt%, preferably between 0.02 to 0.06 wt%, based on the total weight of the lubricating composition,- wherein, the nanosheets of h-MoS₂ are obtained in-situ in the lubricating composition by liquid-phase exfoliation of bulk MoS₂ particleswater

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