

HOECHST AKTIENGESELLSCHAFT - WERK KALLE-ALBERT

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WL -Dr.P.-wf

Abstract:

Radiation-sensitive mixture containing (naphthoquinone diazide)sulfonic acid mixed esters and radiation-sensitive recording material prepared therewith

The invention relates to a radiation-sensitive mixture containing a resinous binder which is insoluble in water, but soluble or at least swellable in aqueous alkaline solutions, at least one radiation-sensitive compound and optionally a crosslinking agent. The radiation-sensitive compound is an ester of a) a compound containing 2 to 6 aromatic hydroxyl groups, b) a ring-substituted (o-naphthoquinone 2-diazide)-4-sulfonic acid (diaz compound D_1) and c) an (o-naphthoquinone 2-diazide)-4- or -5-sulfonic acid which is not further substituted (diaz compound D_2) and/or a non-radiation-sensitive organic acid (compound D_0), where the D_1 :(D_2 and/or D_0) molar ratio is between 0.1:1 and 30:1.

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