

Title (en)

Process for preparing overbased oil soluble magnesium salts.

Title (de)

Verfahren zur Herstellung öllöslicher hochbasischer Magnesiumsalze.

Title (fr)

Procédé de préparation de sels de magnésium superbasiques solubles dans l'huile.

Publication

EP 0011069 A1 19800528 (EN)

Application

EP 78300625 A 19781114

Priority

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Abstract (en)

A process for preparing an over-based, oil-soluble magnesium salt of a sulphonic acid comprises contacting an acidic gas in the presence of a promoter system with a mixture of an oil-soluble magnesium salt of a sulphonic acid, a light magnesium oxide and an inert diluent. The promoter system comprises (1) a carboxylic compound selected from the group of compounds consisting of lower carboxylic acids, lower carboxylic anhydrides, substituted lower carboxylic acids, and metal salts and esters of lower carboxylic acids, (2) water, and optionally (3) a lower alkanol or lower alkoxy alkanol. The reaction is carried out at a temperature ranging from approximately 10 DEG C (50 DEG F) up to reflux temperature of the mixture. The volatile components are stripped from the reaction mixture after absorption of the acidic gas is at a desired level to give an over-based, oil-soluble magnesium salt of the sulphonic acid.

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IPC 8 full level

C10M 159/24 (2006.01)

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Citation (search report)

- SU 502930 A1 19760215
- US 2839470 A 19580617 - WARREN ELEANORE R, et al
- US 3446736 A 19690527 - HERD RICHARD S, et al
- US 3027325 A 19620327 - MCMILLEN RICHARD L, et al
- US 3609076 A 19710928 - SABOL ALBERT R, et al
- GB 1100985 A 19680131 - MOBIL OIL CORP
- CHEMICAL ABSTRACTS, Vol. 84, Nr. 13, June 28, 1976, Abstract 182354h. Columbus, Ohio, USA ANTONOV, V. et al. "High-alkaline sulfonate additive", page 124, 2nd column. & SU - A - 502 930.

Cited by

CN112697892A; FR2551765A1; NL8601561A; FR2586677A1

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