

ABSTRACT OF THE DISCLOSURE

2,6-Dialkylnaphthalene is prepared from a feedstock comprising naphthalene and an alkylating agent, by a process comprising the steps:

- (I) transalkylating isomers of dialkylnaphthalene and naphthalene to produce monoalkylnaphthalene and isomers of dialkylnaphthalene;
- (II) separating the product obtained in step (I) into naphthalene, monoalkylnaphthalene, dialkylnaphthalene and other components;
- (III) alkylating the monoalkylnaphthalene fraction from step (II) with an alkylating agent to produce dialkylnaphthalene; and
- (IV) separating 2,6-dialkylnaphthalene from the dialkylnaphthalene fraction in step (II),

wherein at least step (I) or step (III) is conducted in the presence of a catalyst having a composition comprising a synthetic zeolite having an X-ray diffraction pattern with an interplanar d-spacing (Å)

12.36	±	0.4
11.03	±	0.2
8.83	±	0.14
6.18	±	0.12
6.00	±	0.10
4.06	±	0.07
3.91	±	0.07
3.42	±	0.06.

This Sheet Has Been Replaced

