JRC Dataset

Bentonite powder, sodium activated; 1000 kg of bentonite sodium activated powder with particle sizes below 74 µm and a moisture content ranging between 8 and 12%, stored in silo, ready to be shipped in bulk.; Production at plant; None (Location: RER)

Description:
Specific data collection and process modelling were performed in accordance with ISO 14040 and 14044 series. Process related data were collected from 8 production sites for sodium activated bentonite products located in the EU (28) countries + Morocco + Turkey. The data were then consolidated by process stage (horizontal aggregation). The resulting LCI calculation is based on the activated bentonite production process route and corresponds to generic industry screening results. The electricity model used for the project is representative of the average production of the 28 European countries + Morocco + Turkey. Other upstream data are based on European averages. For modelling and other upstream processes and materials, the Gabi 6.3.1.14 (PE International) database was used whenever possible and the Ecoinvent 2.2 database as second choice. The Gabi 6.3.1.14 software has been used to generate this ELCD data set for bentonite sodium activated granular. Synonyms: Bentonite powder Technical Purpose: Bentonite powder is mainly used: - as drilling mud - as binder (e.g. foundry-sand bon, iron ore pelletizer) - civil engineering (e.g. as groundwater barrier) Geographical Representation: RER

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Keywords:
2014#009 Bentonite, Bentonite ELCD, EESAC, Processes

Related resources:
Data access
Full ELCD Database
Landing Page to download the full ELCD Database.

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