JRC Dataset

Very fine milled silica sand d$_{50}$ = 20 micrometer; Production; at plant; median diameter of silica sand grains is 20 micrometers (Location: EU-27)

Description:
Specific data collection and process modelling were performed in accordance with ISO 14040 and 14044 series. Process-related data were collected on 8 mineral production sites located in 6 European countries + Turkey. The data were then consolidated by process stage (horizontal aggregation). The resulting LCI calculation is based on the production process route of very fine milled silica sand and corresponds to generic industry screening results. The electricity model used for the project is representative of the average production of the 27 European countries + Turkey. Other upstream data are based on global averages. For modelling and other upstream processes and materials, the DEAM database has been used. The TEAM software has been used to generate this ELCD data set for very fine milled silica sand. Technical Purpose: - Glass fibre and specialty glass. - Building materials - Ceramics - Filler in coatings and polymers Geographical Representation: EU-27

Contributors:
- Pennington, David david.pennington@ec.europa.eu
- Fazio, Simone simone.fazio@ec.europa.eu

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Materials production, Other mineralic materials

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

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