JRC Dataset

GCC slurry; Ground Calcium Carbonate (GCC) - slurry, unbleached and uncoated, with a solid content of 75% in the slurry, a CaCO3 content of 98% or more, a median particle size ranging typically from 1 to 3 µm, ready to be shipped as slurry with a biocide content enabling a transportation or a storage during maximum 48h. Production at plant; 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 on 13 GCC production sites located in 7 European countries + Norway + Turkey. The data were then consolidated by process stage (horizontal aggregation). The resulting LCI calculation is based on the GCC slurry 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 27 European countries + Norway + 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 GCC slurry.

Synonyms: GCC slurry Technical Purpose: GCC slurry is used as:
- filler or coating agent in paper
- filler in plastics such as PVC, unsaturated polyesters, propylene and polyethylene
- filler in paints and coatings
- rubber

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Keywords:
EESAC, GCC, Processes

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

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