

## 28. 질석

## (1) vermiculite, at mine

Reference function	information
Name	vermiculite, at mine
Unit	kg
Category	construction materials
Subcategory	additives
Amount	1
Included processes	includes excavation by digger, blasting, transportation within mine, the land-use for quarrying, the recultivation
General comment	For a lack of data the dust emissions for bauxite mining are used as proxy. No recultivation is assumed. To account for the phosphate mined together with the vermiculite, the resource "phosphorus, 18% in apatite, 12% in crude ore, in ground" is inventoried. Since the apatite is dumped but afterwards used by other companies it is neither considered co-product nor waste. The paraffin fueled heating system is approximated with "light fuel oil, burned in industrial furnace 1 MW, non-modulating". For the electricity mix the UCPTE-mix has been used.
Infrastructure included	Yes
Dataset relates to product	Yes
Geography	For the exchanges, RER, GLO and CH modules have been used as proxy.
Technology	High level of technology used in one of the biggest vermiculite mines in the world, in South-Africa.
Start year	2000
End year	2000