JRC Dataset

Steel sections (ILCD); blast furnace route / electric arc furnace route; production mix, at plant; 1 kg (Location: GLO)

Description:
High data quality. Data collected on site by steel industry experts in accordance with the worldsteel methodology and ISO 14040 standards, and consistency-checked by worldsteel LCA-experts. Global coke, sinter, pellet, hot metal, slab production based on worldsteel site specific data. Metallurgical coal data based on global IEA statistics and information from the GaBi database. Iron ore data obtained from iron ore producer. Other upstream data based on the GaBi database, including country specific electricity. The LCI does not include any further processing beyond the steelworks gate such as bending, shaping, cutting, welding etc. Technical Purpose: A steel section rolled on a hot rolling mill. Steel Sections include I-beams, H-beams, wide-flange beams, and sheet piling. It can be found on the market for direct use. This product is used in construction, multi-storey buildings, industrial buildings, bridge trusses, vertical highway supports, and riverbank reinforcement. Geographical Representation: GLO

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How to cite:
Fazio, Simone; Pennington, David(2007): Steel sections (ILCD); blast furnace route / electric arc furnace route; production mix, at plant; 1 kg (Location: GLO). European Commission, Joint Research Centre (JRC) [Dataset] PID: http://data.europa.eu/89h/jrc-eplca-09d61948-238a-40e7-8e1f-afdc0c98f902

Keywords:
Materials production, Metals and semimetals

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

Additional information:
Issue date: 2007-01-01
Geographic area: Europe, Antarctica, Africa, Asia, America, Oceania
Update frequency: None
Language: English
Data theme(s): Environment; Science and technology
EuroVoc domain(s): 36 SCIENCE; 52 ENVIRONMENT
Identifier: http://data.europa.eu/89h/jrc-eplca-09d61948-238a-40e7-8e1f-afdc0c98f902