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SPINE LCI dataset: Production of titanium dioxid

Administrative
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Finished	Y
Date Completed	1993
Copyright	
Availability	

Technical System
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Name	Production of titanium dioxid
Functional Unit *(see also Functional Unit Explanation)*	1 kg
Process Type	Cradle to gate
Site	Forbo plant at Krommenie Amsterdam
Sector	Materials and components
Owner	Forbo plant at Krommenie Amsterdam
Function	Production of titanium dioxide, by the chloride process. The titanium dioxide is extracted in the Netherlands and Belgium.

System Boundaries
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Functional Unit Explanation *(see also: Functional Unit)*	1kg titanium dioxide.
Nature Boundary	No emissions for the combustion of coal is included
Time Boundary	
Geographical Boundary	
Other Boundaries	Energy consumption and waste are accounted for in the study.
Allocations	
Systems Expansions	

Flow Data

General Activity QMetaData
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Date Conceived 1993

Data Type Unspecified

Represents

Method The data are based on information from Potting J and Blok K. De milieugerichte levensykluanalyse van vier typen vioerbedekking. TThe environmental life-cycle assessment of four types of floor covering), P-UB-93-4, Coordination point science shops, Utrecht, 1993

Literature Reference

Potting J and Blok K. De milieugerichte levensykluanalyse van vier typen vioerbedekking. TThe environmental life-cycle assessment of four types of floor covering), P-UB-93-4, Coordination point science shops, Utrecht, 1993

Notes

Flow Table and Specific Meta Data

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QMetaData	Direction	FlowType	Substance	Quantity	Min	Max	SDev	Unit	Environment	Geography
	Input	Refined resource	Coal	23				MJ	Technosphere	
	Input	Refined resource	Electricity	47				MJ	Technosphere	
	Output	Product	Titanium dioxide	1				kg	Technosphere	
	Output	Residue	Hazardous waste	2.3				kg	Other	

About Inventory

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Publication Potting J and Blok K. De milieugerichte levensykluanalyse van vier typen vioerbedekking. TThe environmental life-cycle assessment of four types of floor covering), P-UB-93-4, Coordination point science shops, Utrecht, 1993 ---------- Data documented by: Maria Erixon and Sara Ågren, project employed at Technical Environmental Planning, Chalmers University of Technology Documentation reviewed by: Henrikke Baumann and Anne-Marie Tillman (responsible for the course material) and Ann-Christin Pålsson (responisble for classification of the dataset), Technical Environmental Planning, Chalmers University of Technology
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Intended User A Life Cycle Assessment practi

General Purpose Exercise material in LCA coarse given at Teknisk Miljöplanering at Chalmers University of Technology, Sweden.

Detailed Purpose

Commissioner

Practitioner Jönsson ÅsaTechnical Environmental Planning Chalmers University ofTechnology Göteborg Sweden.

Reviewer

Applicability One must not forget that no emission factors for the combustion of coal is acounted for in the data set.

About Data

Notes

SPINE Data Report formatted as Hypertext Markup Language

SPINE

http://www.cpm.chalmers.se