



2.B.6 - Titanium Dioxide Production

Short description

Category Code	Method					AD					EF				
2.B.6	T3					C					C				
Key Category	SO ₂	NO _x	NH ₃	NM VOC	CO	BC	Pb	Hg	Cd	Diox	PAH	HCb	TSP	PM ₁₀	PM _{2.5}
2.B.6	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-

T = key source by Trend **L** = key source by Level

Methods	
D	Default
T1	Tier 1 / Simple Methodology *
T2	Tier 2*
T3	Tier 3 / Detailed Methodology *
C	CORINAIR
CS	Country Specific
M	Model

* as described in the EMEP/EEA Emission Inventory Guidebook - 2019, in the group specific chapters.

AD - Data Source for Activity Data	
NS	National Statistics
RS	Regional Statistics
IS	International Statistics
PS	Plant Specific data
As	Associations, business organisations
Q	specific Questionnaires (or surveys)
M	Model / Modelled
C	Confidential
EF - Emission Factors	
D	Default (EMEP Guidebook)
C	Confidential
CS	Country Specific
PS	Plant Specific data
M	Model / Modelled

In *NFR 2.B.6*, SO₂,CO,NO_x and TSP emissions from the production of titanium dioxide are reported.

Method

Activity Data

For the **production of titanium dioxide**, the producers report the sum of all SO₂-emissions. As these emissions are confidential, they are included in the respective emissions reported for **sulphuric acid production**.

Emission Factors

Due to confidentiality concerns, this data is not made public.

Recalculations

For SO₂ emissions from the production of **titanium dioxide** and **sulphuric acid**, estimates reported for the *second to last year* of the time series are routinely actualised by the producers. Furthermore, definite emissions for the *last year of the time series* are not yet available at the time the inventory is compiled. Here, the reported values represent a prediction and are therefore updated with each new submission as well.

Because of technical problems with the data transfer, there is a small recalculation for titanium dioxide production for 2015 and 2016.



For pollutant-specific information on recalculated emission estimates for Base Year and 2018, please see the pollutant specific recalculation tables following [chapter 8.1 - Recalculations](#).

Planned improvements

In the NEC Review Germany was requested to calculate emissions of NO_x, CO and TSP from titanium dioxide production. Germany tries to collect the data needed to calculate these emissions.

For the Key Category Analyses the emissions of SO_x from TiO₂ production are wrongly allocated to 2B10a. Germany plans to reallocate these emissions in the next submission back to TiO₂.