



## 2.B.6 - Titanium Dioxide Production

### Short description

Category Code	Method					AD					EF				
2.B.6	T3					C					C				
Key Category	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	NMVOC	CO	BC	Pb	Hg	Cd	Diox	PAH	HCb	TSP	PM <sub>10</sub>	PM <sub>2.5</sub>
2.B.6	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

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

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

In *NFR 2.B.6*, SO<sub>2</sub> 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 SO<sub>2</sub>-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 SO<sub>2</sub> 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<sub>x</sub>, 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<sub>x</sub> from TiO<sub>2</sub> production are wrongly allocated to 2B10a. Germany plans to reallocate these emissions in the next submission back to TiO<sub>2</sub>.