

2.B.6 - Titanium Dioxide Production

Short description

Category Code		Method				AD				EF					
2.B.6	T3					С				С					
Key Category	SO ₂	NO×	ΝН₃	NMVOC	СО	ВС	Pb	Hg	Cd	Diox	PAH	НСВ	TSP	PM ₁₀	PM2.5
2.B.6	-/-	-/-	-	-	-/-	-	-	-	-	-	-	-	-/-	-	-

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

Methods	
D	Default
T1	Tier 1 / Simple Methodology *
T2	Tier 2*
Т3	Tier 3 / Detailed Methodology *
С	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)					
М	Model / Modelled					
С	Confidential					
EE	Emission Easters					

EF	- Emission Factors
D	Default (EMEP Guidebook)
С	Confidential
CS	Country Specific
PS	Plant Specific data
М	Model / Modelled

In NFR 2.B.6, SO₂,CO,NOx 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 SO_2 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 TiO_2 production are wrongly allocated to 2B10a. Germany plans to reallocate these emissions in the next submission back to TiO_2 .