

## 2.B.3 - Adipic Acid Production

### Short description

| NFR-Code | Name of Category       | Method | AD | EF | Key Category 1  |
|----------|------------------------|--------|----|----|-----------------|
| 2.B.3    | Adipic Acid Production | T3     | PS | C  | No key category |

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.3, NO<sub>x</sub> and CO emissions from the production of adipic acid are reported. As there are only three producers of adipic acid data provided by them has to be treated as confidential. Therefore only CO and NO<sub>x</sub> emissions could be reported.

### Method

As this source category is a key category for N<sub>2</sub>O, plant specific activity data are applied here according to the IPCC guidelines. These data are made available basically via a co-operation agreement with the adipic acid producers. A single data Collection of plant specific NO<sub>x</sub> and CO emissions and related emission factors of one year (2016) was sufficient as the emissions are below the threshold of significance. The emission factors are applied to the whole time series for every plant.

### Recalculations

No recalculation activities were necessary.

### Planned improvements

No category-specific improvements are planned.

