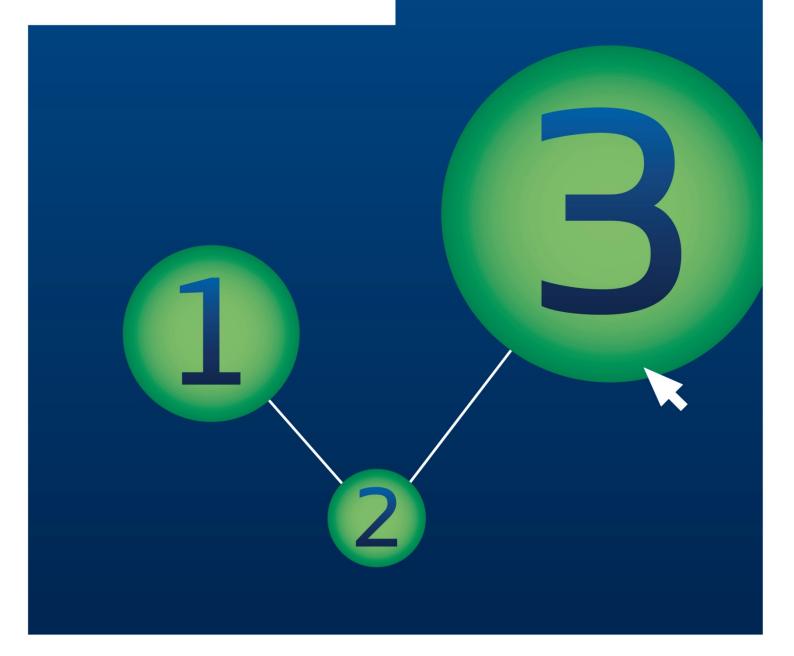


**MANUAL** 

# **Biocides Submission Manual**

Process of dissemination Part 1: IUCLID sections 1-4



Version	Changes	Date
Version 1.0	First version	November 2015
Version 2.0	IUCLID 6 screenshots, completely revised	July 2016

#### BSM Process of dissemination, Part 1: IUCLID sections 1-4

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### Introduction

### **Objective**

This manual gives guidance on the online access provided by ECHA to information on active substances approved, and biocidal products authorised, under the Biocidal Products Regulation (BPR) (where the data is in IUCLID). It is aimed at industry, and in particular, at managers and technical experts in companies who are responsible for making sure that comprehensive information is entered in the dossiers.

#### **Biocides Submission Manuals**

This manual is part of the Biocides Submission Manual (BSM) series concerning technical guides, application instructions and process manuals and also includes:

#### **Technical guides:**

**Using IUCLID**, which describes how to prepare a general IUCLID dossier, giving you details on the different functionalities in IUCLID, as well as explaining the different sections contained within a dossier.

**Using R4BP 3**, which describes how to create user accounts in R4BP 3 through ECHA Accounts and gives a detailed description of the various functionalities of the system.

**Using the SPC Editor**, which describes how to prepare a summary of the product characteristics (SPC) required for certain application types.

#### **Application instructions:**

Application instruction manuals give guidance on how to submit applications concerning various processes concerning active substance approvals and biocidal product authorisations.

- Active substances
- National authorisations
- Simplified authorisations
- Union authorisations
- · Technical equivalence and chemical similarity

#### **Process manuals:**

**Invoicing in R4BP 3**, which describes the general information related to invoices and credit notes issued by ECHA following the submission of an application.

**Confidentiality requests for biocide applications**, which describes how to make confidentiality claims in IUCLID and which dossier information can be claimed confidential.



All of the Biocides Submission Manuals, including the technical guides, application instructions and related processes can be found from the <u>'ECHA</u> website'.

## **Article 67 of the Biocidal Products Regulation (BPR)**

Article 67 of the Biocidal Products Regulation (BPR) stipulates that the European Chemicals Agency (ECHA) shall publish certain information it holds on approved biocidal active substances and authorised biocidal products free of charge over the internet. This information is published on the ECHA website, in the section 'Information on Chemicals'.

However, in certain cases information can be withheld, if the applicant submitting the information also indicates they wish to keep the information confidential, and submits a justification as to why publishing the information would be potentially harmful to the commercial interests of the applicant or any other party concerned. Relevant authority will then assess such justifications in accordance with Article 67(3) and (4), and where the justification is accepted, the information concerned will not be published. Claiming information confidential may be subject to a fee.

Where urgent action is essential to protect human health, safety or the environment, such as emergency situations, ECHA may disclose additional information, in accordance with Article 66(2). This will not happen in an automated way, and is therefore not covered in this manual.

This manual provides information about the online access to information on active substances approved, and biocidal products authorised, under the BPR.<sup>1</sup> The document will help readers to understand:

- what are the steps in the dissemination process; and
- which information will be made publicly available on the ECHA website.

The manual presents what ECHA directly publishes from the IUCLID dossiers and it does not cover information from other documents such as SPCs<sup>2</sup>, assessment reports, etc.

Because of technical progress with IUCLID and the Dissemination portal, this manual will be regularly updated. We recommend that you check our website regularly to make sure that you have the most recent version of the document.

In addition to this manual, a specific dissemination preview will be made available for applicants in the near future. This tool will enable applicants to verify – when preparing a dossier in IUCLID – which information will be published on the ECHA website, as explained further below (see <u>Dissemination preview for IUCLID</u>).

# The Dissemination portal

### Web address

Information on chemicals can be accessed through the ECHA website; detailed information on approved active substances or authorised biocidal products can be accessed through the ECHA website following the below paths:

Active substances: ECHA Website > Information on Chemicals > Biocidal Active

<sup>&</sup>lt;sup>1</sup> The dissemination obligations under Article 67 of the BPR also apply to information on active substances and biocidal products where the approval/authorisation application was submitted under the Biocidal Products Directive (BPD) (Directive 98/8/EC). The process for doing so is different to that described in this manual due to the use of IUCLID for the BPR dossiers.

<sup>&</sup>lt;sup>2</sup> The information contained in the SPC associated with the authorisation of a biocidal product will be published on the ECHA website. It is the responsibility of the authorisation holder and Member State competent authority to make sure that this document does not contain confidential information.

Substances: http://echa.europa.eu/information-on-chemicals/biocidal-active-substances

Biocidal products: ECHA Website > Information on Chemicals > Biocidal Products:

http://echa.europa.eu/information-on-chemicals/biocidal-products

#### Searching in the portal

Before you can begin to search for active substances and/or biocidal products in the Dissemination portal, you have to acknowledge that you have taken note of the Legal Notice explaining the nature of the information, the right to use the information, and possible limits to the right to use the information.

You can search for an active substance in the portal by its name, EC number, CAS number, type, biocide ID and approval information.

A biocidal product can be searched by its name, asset number, product-type and name, EC number or CAS number, approval ID of its active substance as well as by authorisation data.

A list of all the active substances or biocidal products in the database can be obtained by searching without entering any search criteria.

Search results can be reordered by clicking on the individual column headers.

ECHA has also developed InfoCards and Brief Profiles for substances where details on the substance classification, uses and exposure and scientific properties are summarised and aggregated. Whilst currently they are primarily based on the data submitted in REACH registrations, they also include data from other sources, including the C&L Inventory, other REACH regulatory processes, and data from the BPR and PIC regulation.

#### Intellectual property rights

You should use the information available in the Dissemination portal with care. Reproduction and use or further distribution of the information is subject to copyright laws and may require the permission of the owner of that information.

Data protection periods apply to data submitted for the purposes of the BPD or of the BPR. Remember that in line with Article 59(1) of the BPR, the competent authorities may not use that data for the benefit of a subsequent applicant unless it has a letter of access or the data protection periods have expired.

The data protection periods are set in Article 60 of the BPR ("Protection of Data held by competent authorities or the Agency") and Article 95(5) of the BPR ("Transitional measures concerning access to the active substance dossier").

#### The Dissemination process

#### When is the information published?

For active substances, the process of disseminating information from an application dossier starts as soon as the European Commission has adopted an Implementing Regulation providing that the active substance is approved.

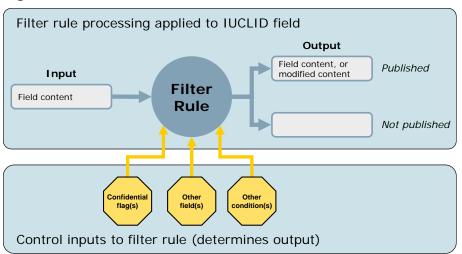
For biocidal products, the dissemination process starts from the date a biocidal product is authorised.

At this point, the associated dossier – which by now only contains confidentiality requests upheld by the relevant authority – is prepared for dissemination, as described below:

#### **Filtering**

The most important step in the dissemination process of the IUCLID information is the filtering step in which information not meant to be published is removed from the dossier, along with information flagged or claimed to be confidential (Figure 1).

Figure 1: Filter rules



The filtering of IUCLID dossiers is performed by an IT tool which has been programmed with Filter rules. Filter Rules are based on the Article 67 of the BPR and are applied to each field in the IUCLID dossier determining whether the field content should be published or not. After the filtering step is completed, the filtered dossier will contain only the information from the fields that is to be published.

Dossier filtering (the removal of information not to be published) is an automated process and is independent of which text you provide in a certain field. Please review your dossier before you submit it, to make sure the correct content is provided. If you provide confidential information in a field which is set to be published (e.g. the guidance on safe use), the information will become visible on the internet.

In this manual (consisting of four separate parts), you can see the filter rule that applies for all IUCLID 6 fields from the *BPR Active substance information* and *BPR Biocidal product authorisation* templates. The filter rules are explained in the <u>legend</u>.

The other BPR templates for the substances (substances of concern and non-active substances) and representative biocidal products are currently not covered in this manual. Further information on how this information will be published will be made available in due time.

#### **Publication**

ECHA disseminates information at substance/product level. All documents and information from a IUCLID dossier will be linked to other relevant substance data identifiers. After the filtering step, the dossier is processed to create a set of html web pages. A batch of these web pages is regularly published on the ECHA website. As part of the same step, the relevant data and metadata are published to allow the search results to be searched and filtered.

### Dissemination preview for IUCLID

ECHA is developing a IUCLID plugin to enable applicants to simulate which information from their IUCLID dossier will be removed during filtering, and which information will be made publicly available over the internet. The Dissemination preview will allow applicants to use it while they are preparing their BPR dossier in IUCLID. The purpose of the tool is to help applicants to prepare dossiers that can be published without revealing confidential business information. More information on the tool will be available on the ECHA website in due time.

#### Confidentiality

The IUCLID template allows applicants to set confidentiality request flags on information covered by Article 67(3) and (4) of the BPR. For information that an applicant wishes to keep confidential, a confidentiality request must be justified and the request will only be implemented if it is upheld by the relevant authority. For guidance on confidentiality claims, please see the Biocides Submission Manual on the Process of confidentiality requests for biocide applications.<sup>3</sup>

<sup>&</sup>lt;sup>3</sup> http://echa.europa.eu/documents/10162/14938692/bsm 10 confidentiality requests en.pdf

# Process of dissemination, Part 1: IUCLID sections 1-4

In this manual, you can find the filter rule – illustrated with screenshots – for every field in sections 1, 2, 3 and 4 of the IUCLID 6 dossier. The filter rule automatically determines if the content of the field is published on the ECHA website or not.

The legend on the next page briefly explains the different filter rules.

Unless otherwise stated, the rules of the section refer to the active substance template.

To allow for easy navigation, the sections in this manual use the same numbering as the sections in IUCLID in the appropriate BPR view. For information on the other sections of the IUCLID dossier, please consult the relevant part of the manual (the manual is divided into four parts, each dealing with separate groups of IUCLID sections).

# Legend

	Is always automatically published.	
A	This rule concerns information listed in Article 67(1) and (2).	
	Is <b>not</b> automatically published.	
N	<ul> <li>This rule concerns information normally deemed to undermine the protection of the commercial interests of the persons concerned, or information which does not relate to the hazard and safe use of the substance.</li> </ul>	
C	Is automatically published unless <b>confidentiality</b> has been claimed on this section.	
	This rule concerns information listed in Article 67(3) and (4).	
$A \rightarrow C$	Fields that are always automatically published in the active substance dossier can be claimed confidential in the biocidal product dossier. Confidentiality flags and indication of endpoint addressed will be published.	
	This rule concerns information listed in Article 67(4).	
	The <b>bibliographic references</b> author, title, and source are published according to the following rule, with the most important criteria listed first:	
В	<ul> <li>are not published if the endpoint record is claimed confidential, unless the reference type is publication, review article or handbook;</li> </ul>	
	<ul> <li>are not published if the reference type is study report or company data;</li> </ul>	
	<ul> <li>are not published if at least one of following is provided: testing lab, report number, owner company or study number.</li> </ul>	
	The identity of an <b>impurity</b> or additive which is essential for the classification and labelling (C&L) will be automatically published if the applicant has indicated, using the tick-box, that the impurity or additive is essential for C&L, unless confidentiality has been claimed on this section.	
P	The degree of <b>purity</b> of the substance will be published if at least one impurity or additive is essential for C&L (as indicated by the applicant using the tick-box), unless confidentiality has been claimed on this section.	
0	This information will be published from other source (e.g. SPC, R4BP) and not from the IUCLID dossier.	

Any confidentiality request must be justified and the request will only be accepted if it is upheld by the relevant authority. Justifications for requesting confidentiality are not

published.

#### Note to the legend

#### Field with a link

Fields containing a link to a record or information do not carry a filter rule as information they contain is published according to the individual filter rules set within the given record or information to which they refer.

#### Assessment entity documents - conditioned filter rules

The assessment entity name and additional information field will be published unless:

- · the assessment entity has been flagged as confidential, or
- there is a constituent that has been flagged as confidential in a related composition.

The assessment entity composition will be published unless:

- the assessment entity has been flagged as confidential, or
- there is a constituent that has been flagged as confidential in a related composition, or
- the reference substance describing the material itself has a confidentiality claim.

#### Test material and identity of transformation products - conditioned filter rule

The test material and the identity of transformation products will be published unless:

- the reference substance describing the material itself is flagged confidential, or
- the endpoint study record is flagged confidential.

#### Justification for type of information - conditioned filter rule

Justification for type of information will be published unless:

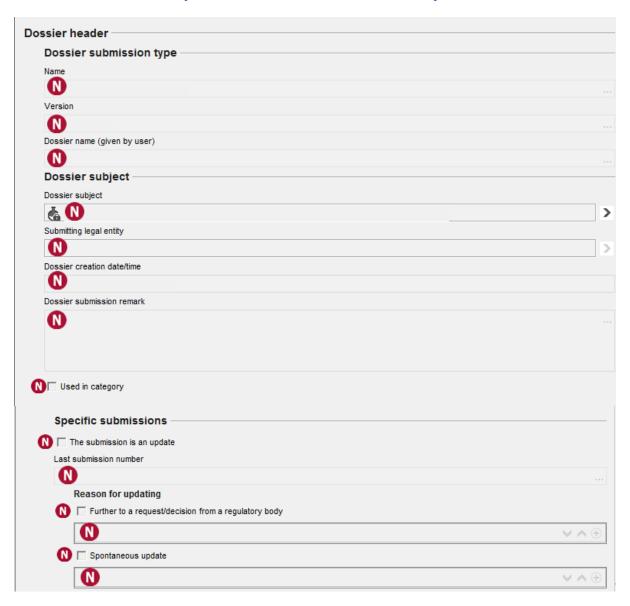
- the reference substances linked to the endpoint study record have been flagged confidential, or
- the endpoint study record is flagged confidential.

For read-across, the information is not published if the study record in the related information is flagged confidential, or the test material reference substance in the related information is flagged confidential.

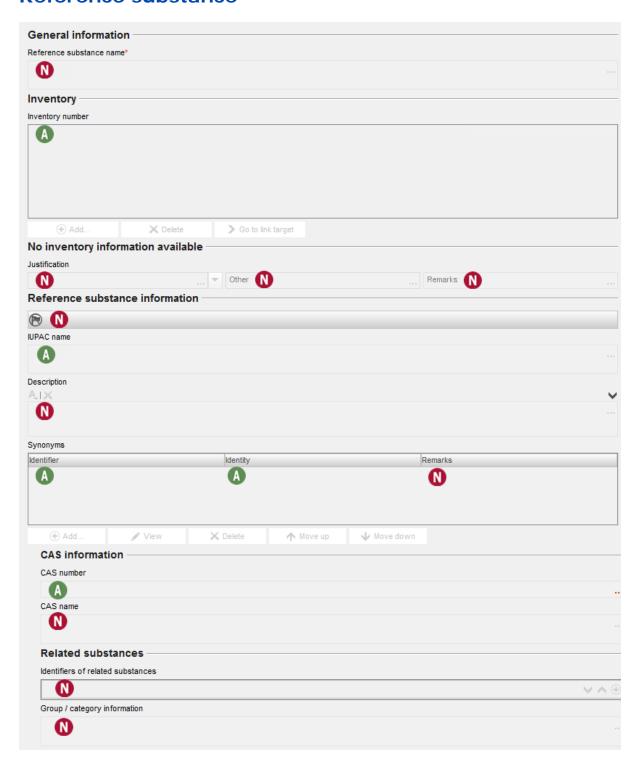
#### (Robust) study summary data

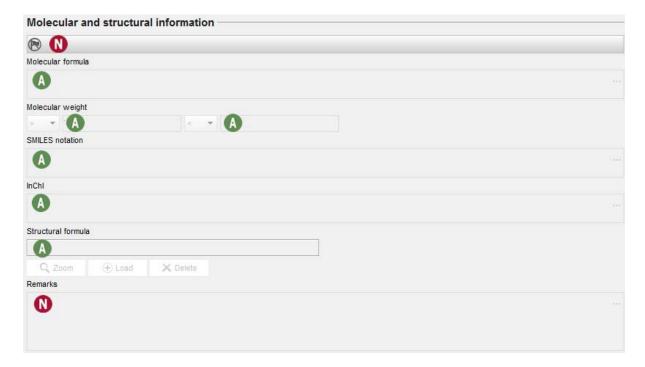
Fields referring to (robust) study summary data will only be published if the endpoint study record is not requested confidential.

# Dossier header (also in Biocidal Product)

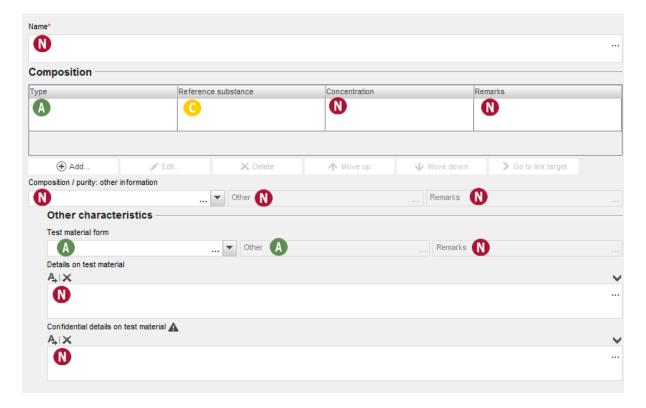


# Reference substance





# **Test material entity**



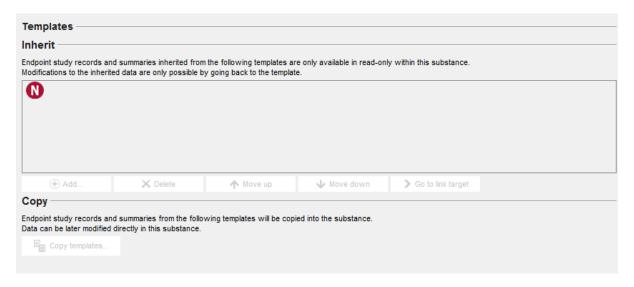
# Legal entity (also in Biocidal Product)

For the active substance dossier, the name of the applicant for the active substance approval will be published in accordance with Article 95 of the BPR.

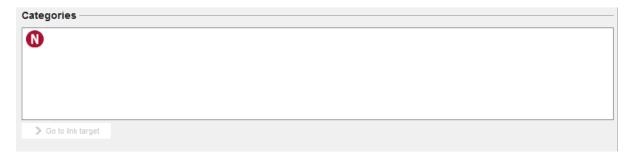
For the biocidal product dossier, the name of the authorisation holder will be published as part of the SPC as of the date of the authorisation of the biocidal product.

# 0. Related information

# **0.1** Templates (also in Biocidal Product)



# 0.2 Categories

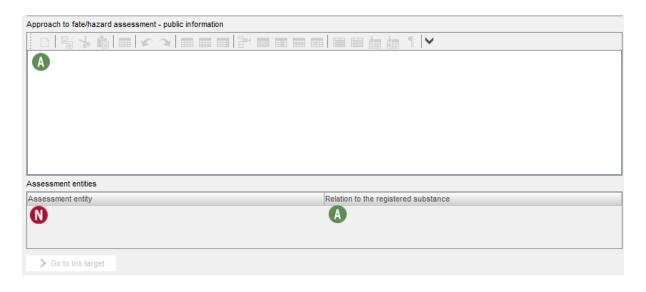


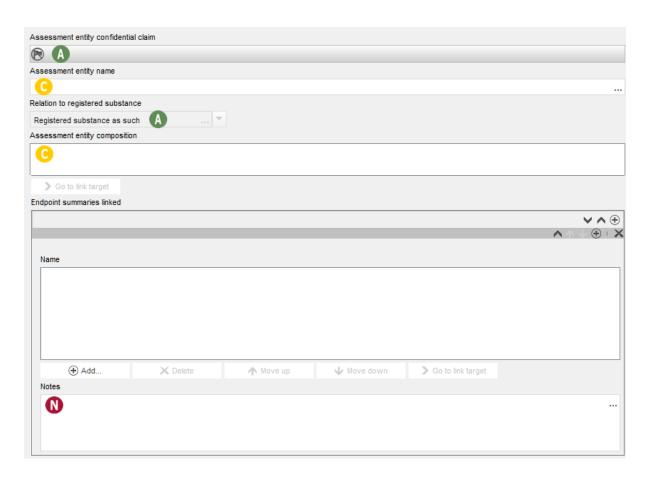
### **0.3** Mixtures/Products

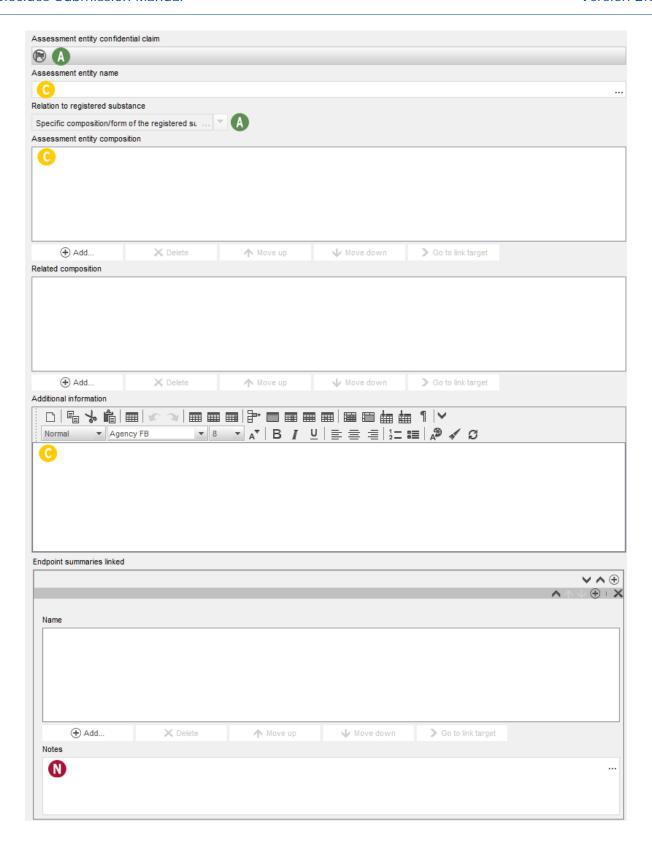


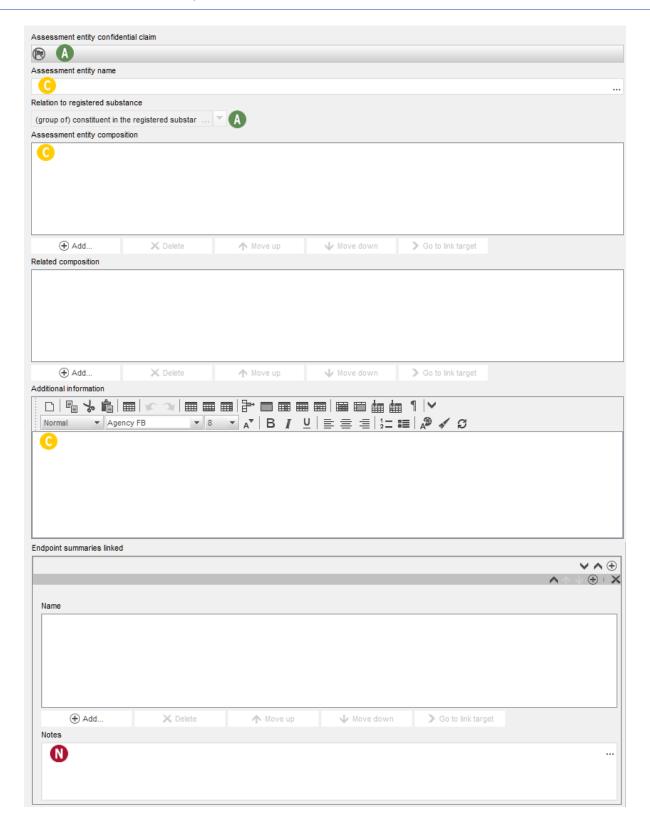
### **0.4** Assessment entities

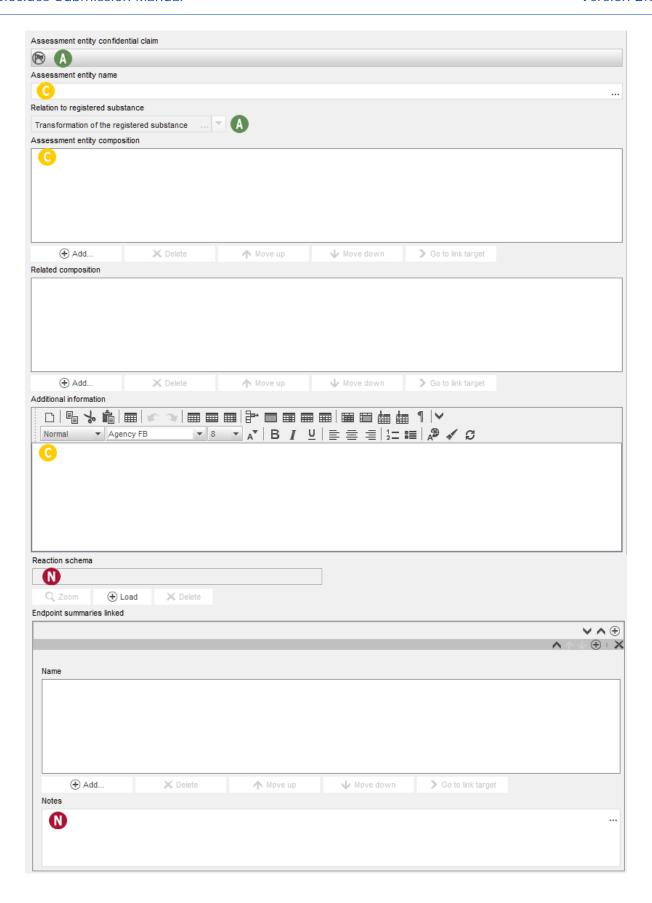






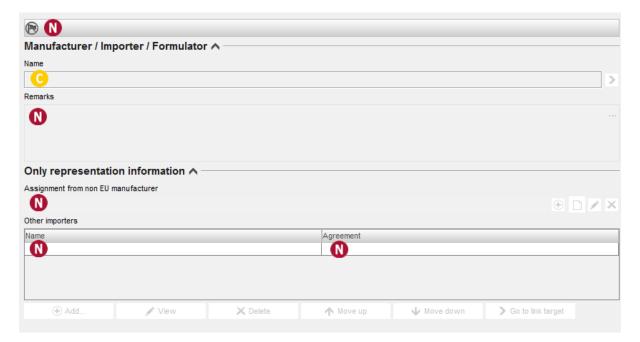




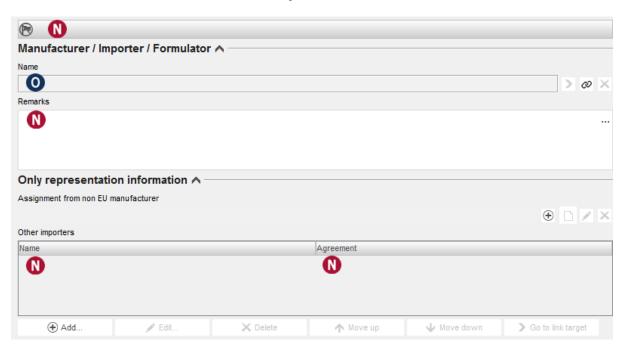


# 1. Applicant

### 1.3 Active substance manufacturer

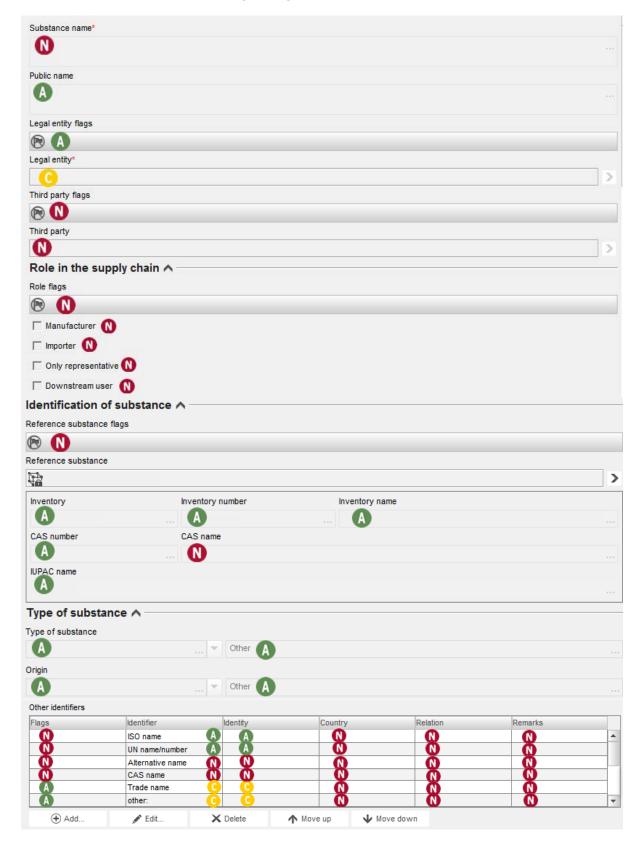


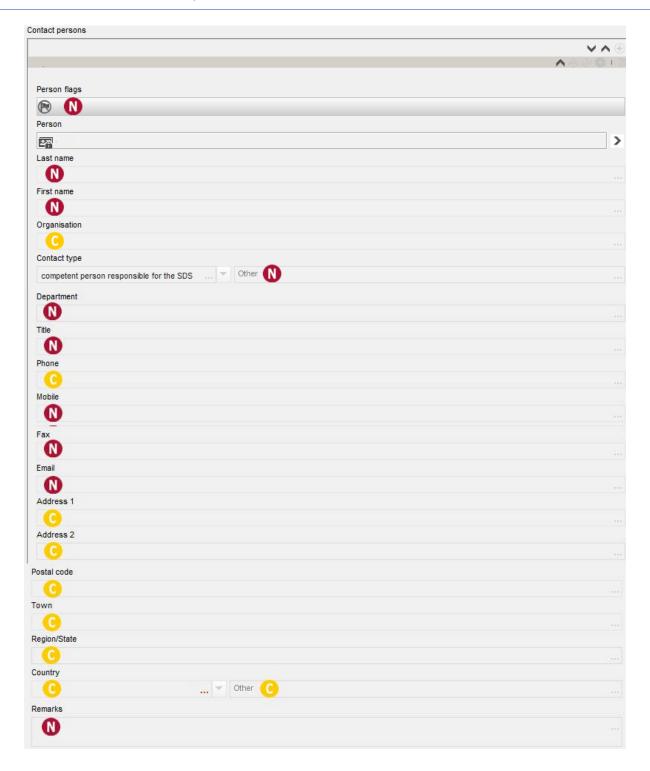
# 1.3 Biocidal Product - Biocidal product manufacturer



# 2. Identity of the active substance

# 2.1 Common name and synonym





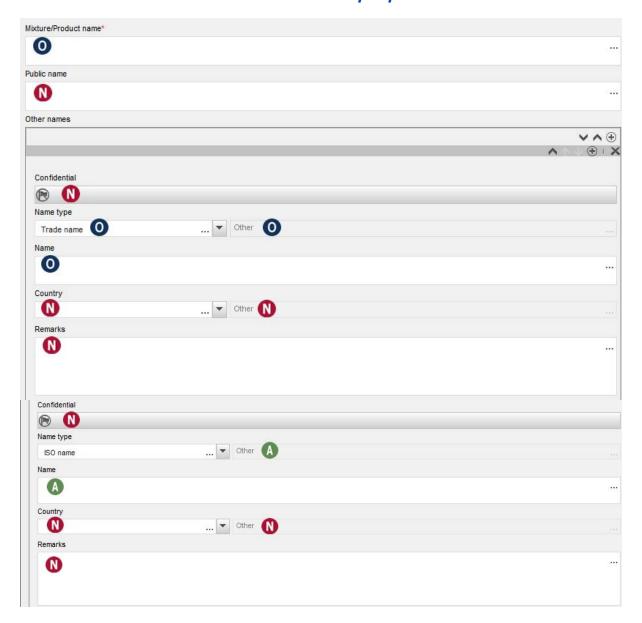
0

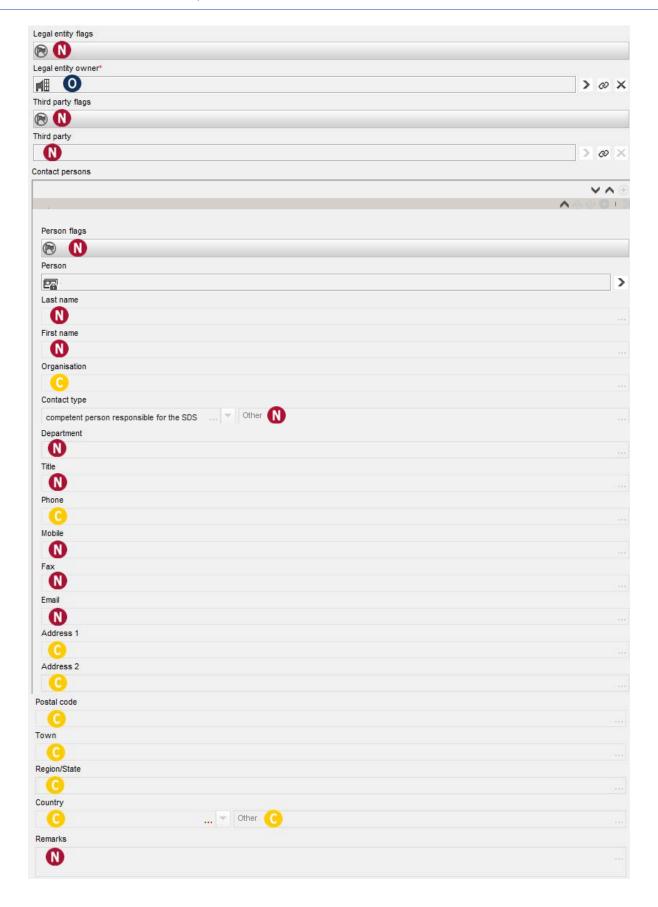
Remarks

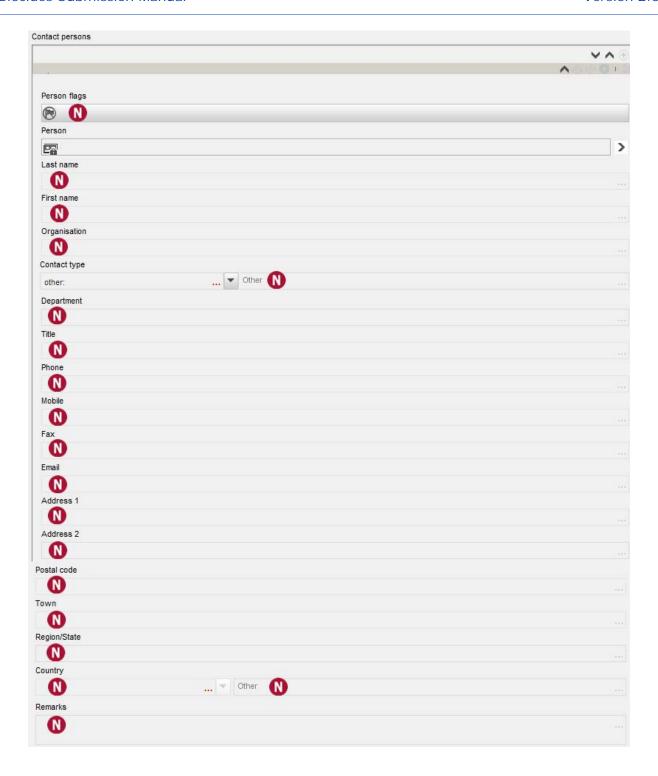
>

... V Other

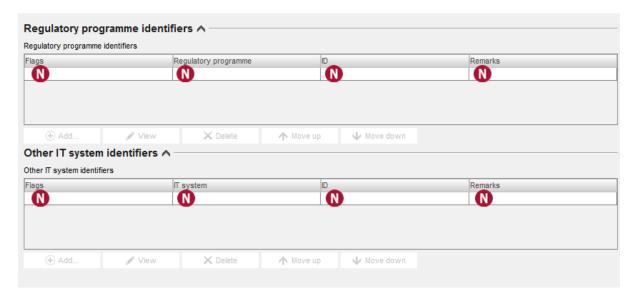
# **2.1** Biocidal Product – Trade name or proposed trade name







# **2.3** Manufacturer's development code number(s) (also in Biocidal Product under <u>2.2</u>)

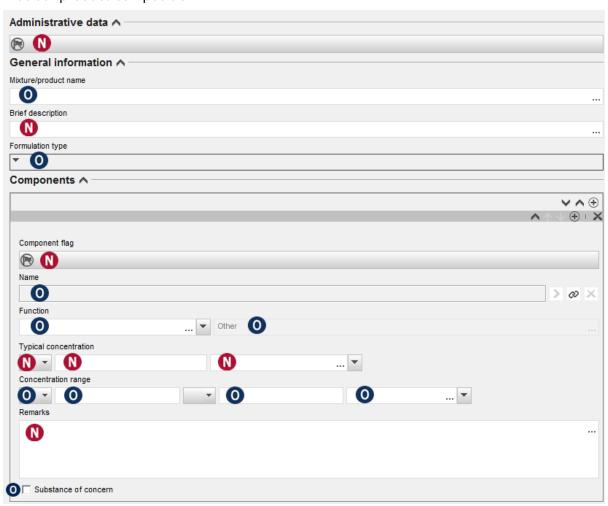


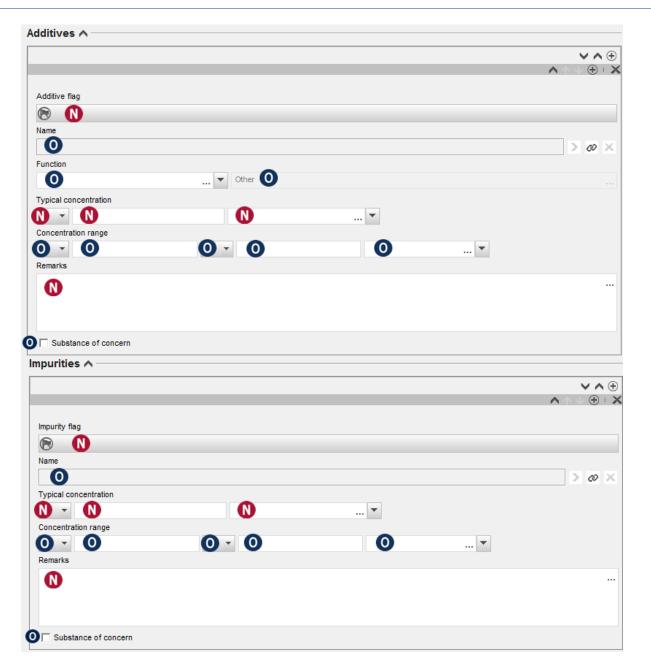
# **2.3** Biocidal Product – Biocidal product composition

#### Biocidal product family composition

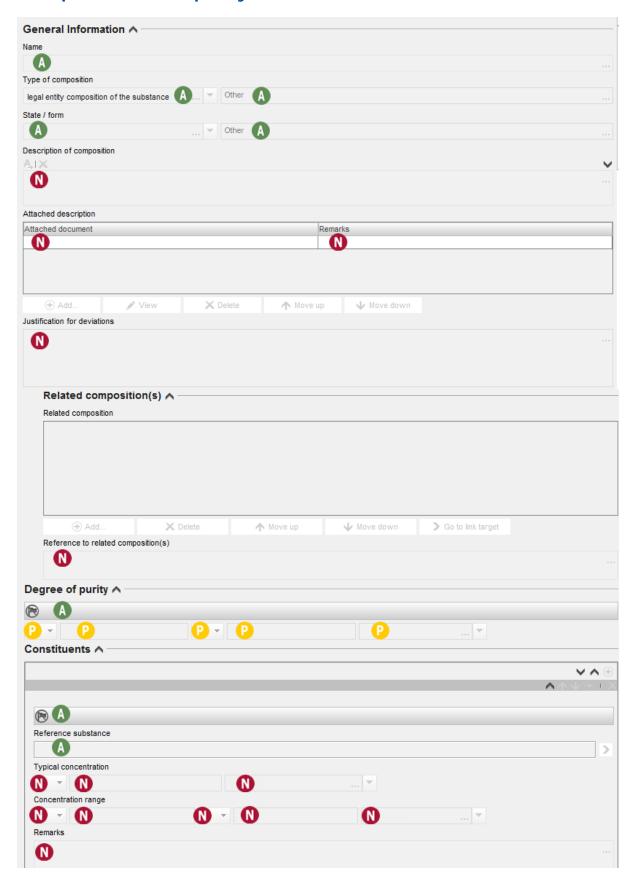


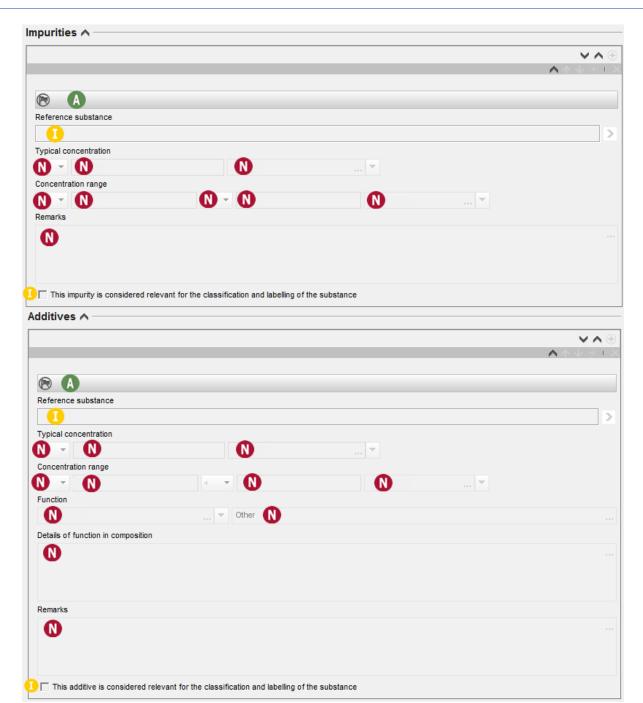
#### Biocidal product composition

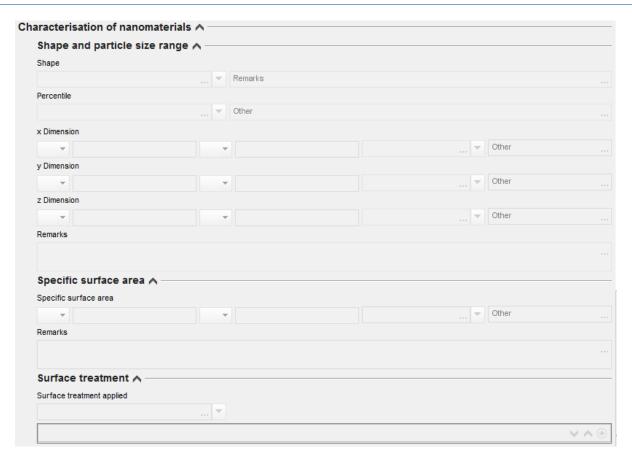




# 2.9 Specification of purity of the active substance as manufactured



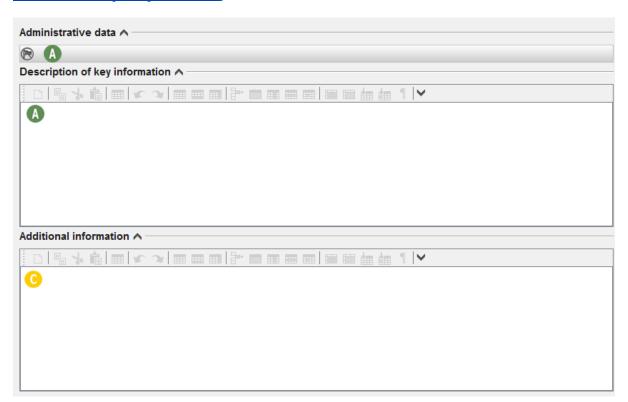




#### **Characterisation of nanomaterials**

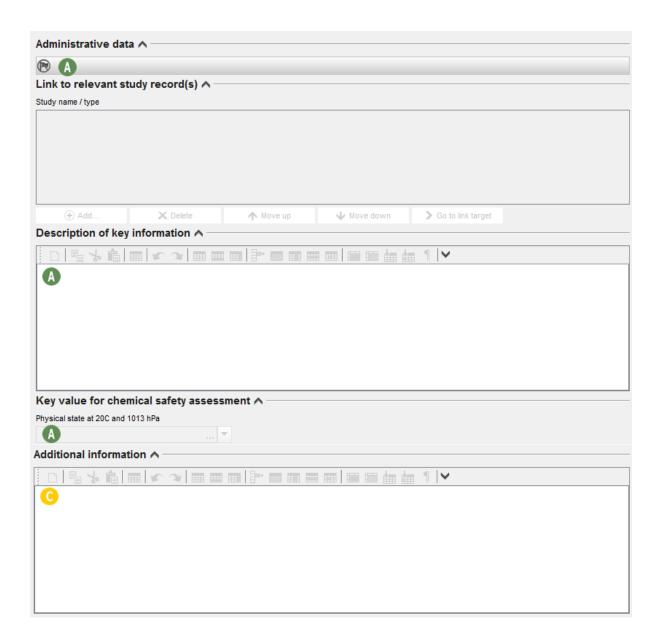
The fields for reporting characteristics of nanomaterials will not be published until further notice. Information on how this section will be disseminated in the future will be made available in due time.

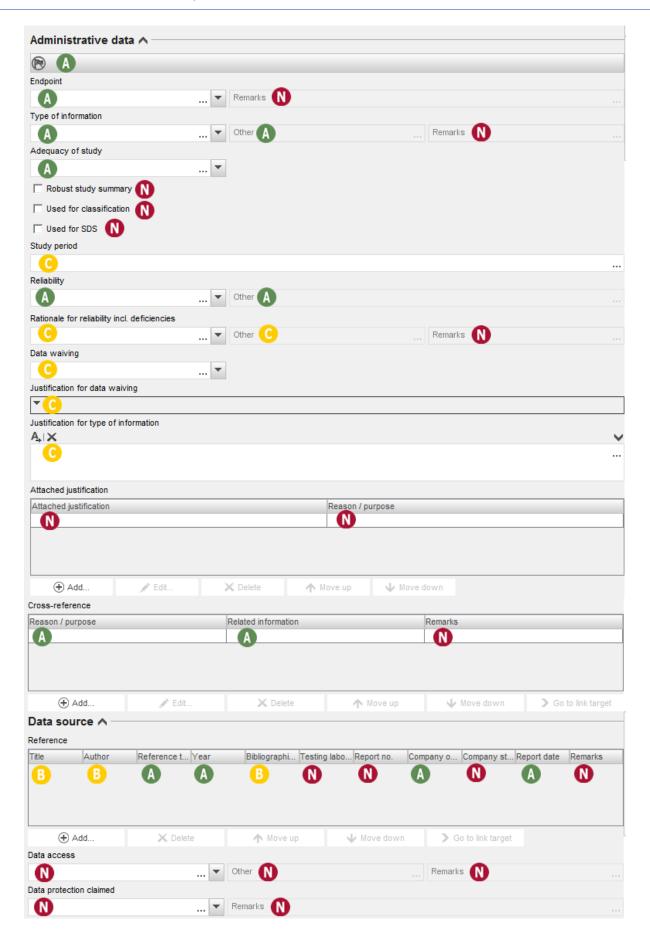
# **3.** Physical and chemical properties of the active substance (also in Biocidal Product under Physical and chemical properties)

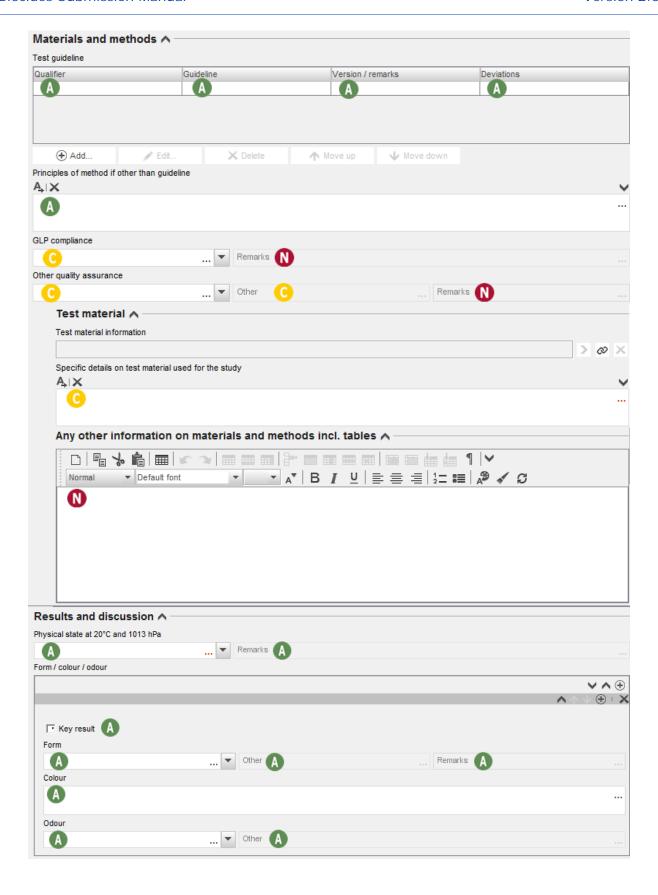


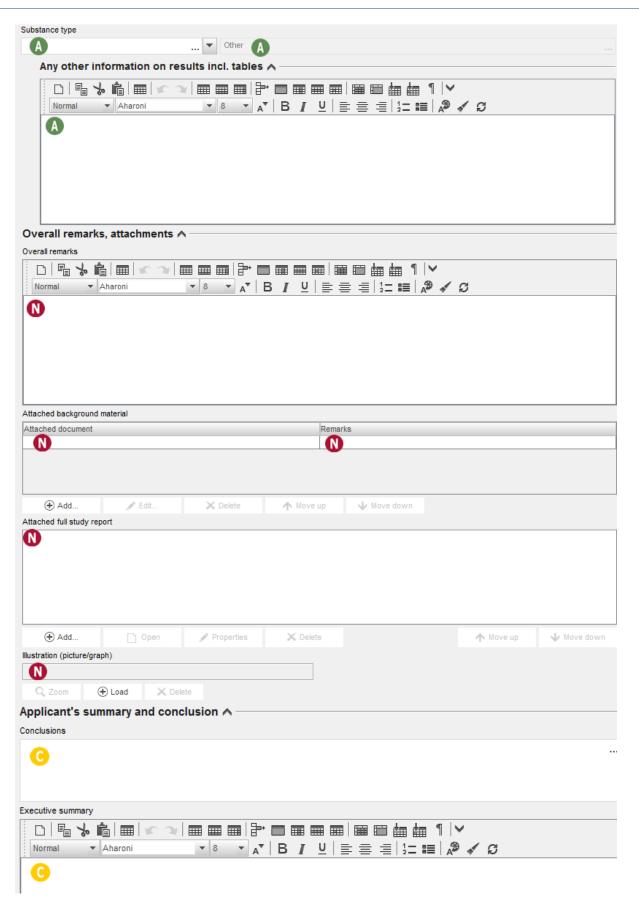
# **3.1** Appearance (Also in Biocidal Product – <u>Appearance (at 20°C and 101.3 kPa)</u>)

NB: Biocidal Product  $\bigcirc$ 

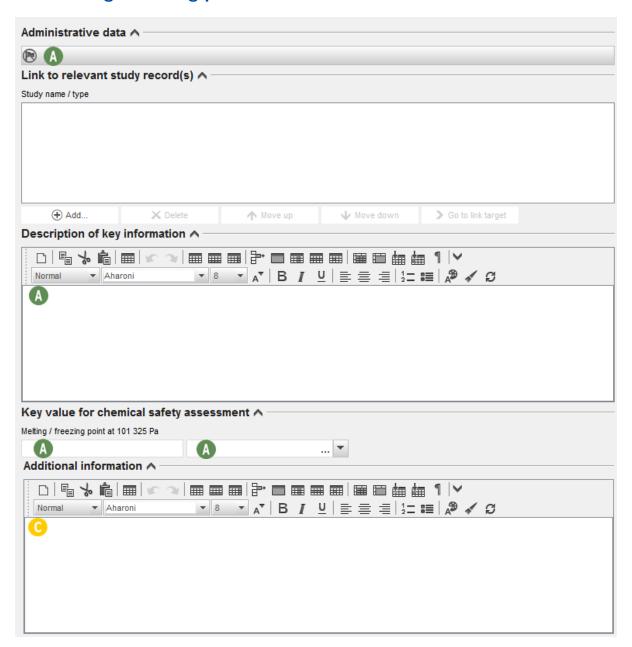


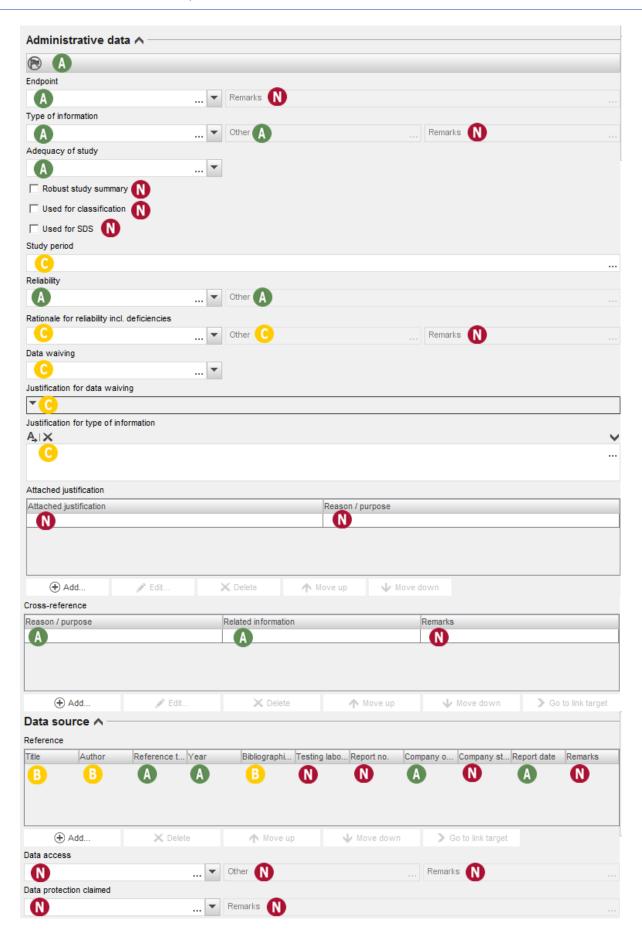


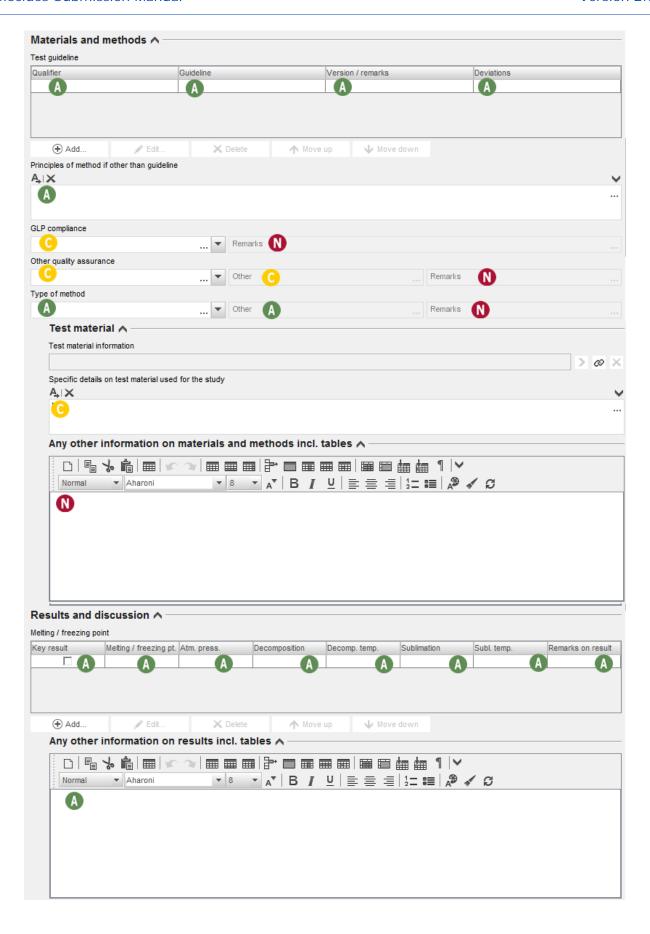


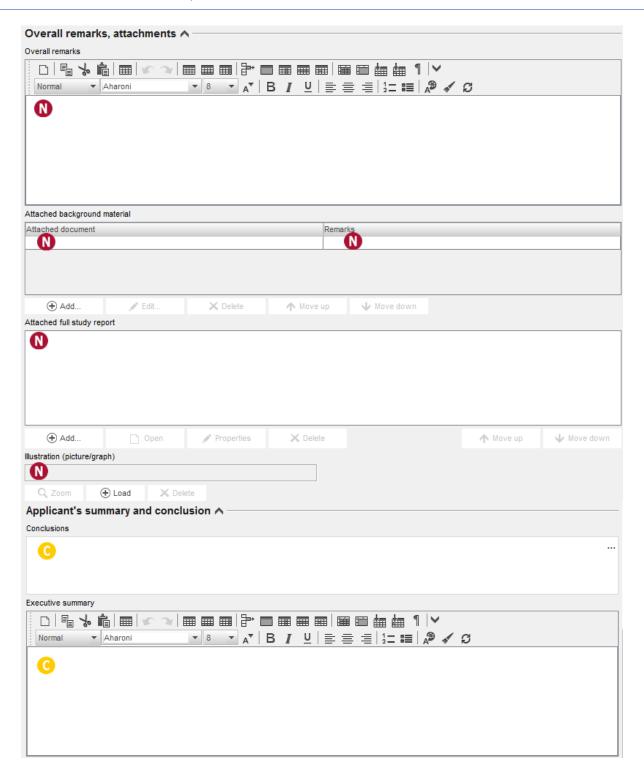


### 3.2 Melting/freezing point



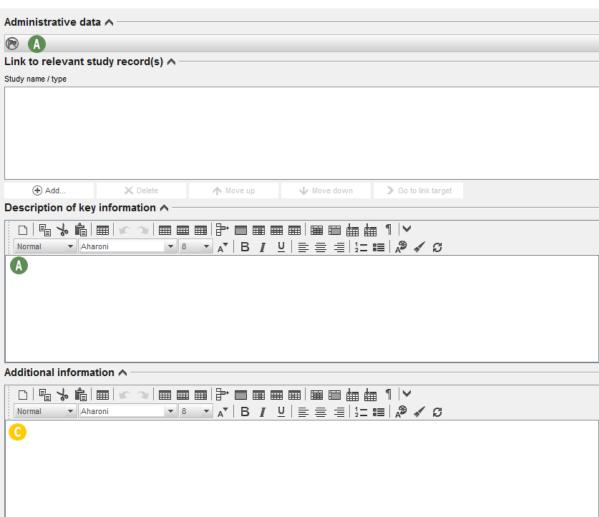


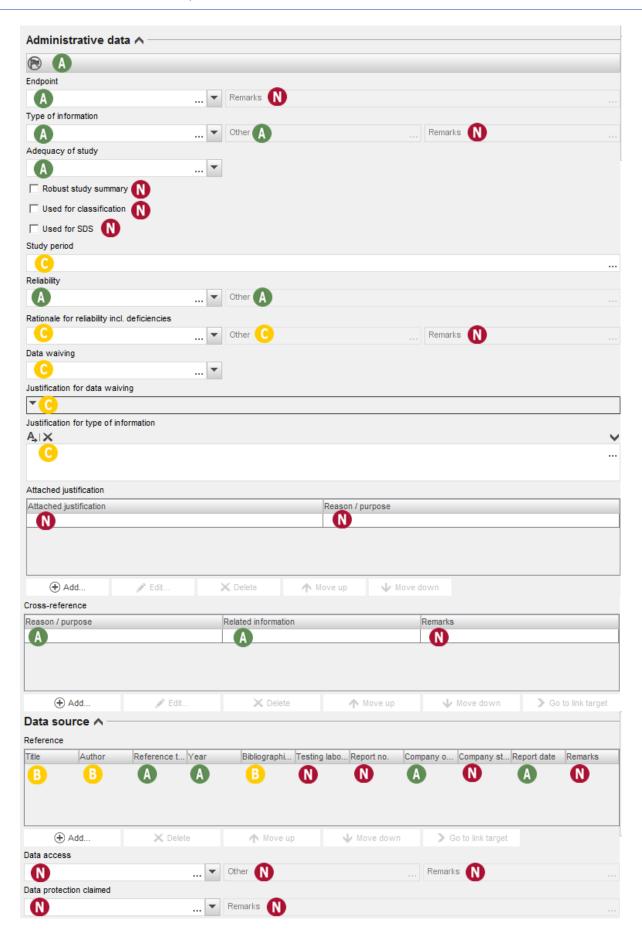


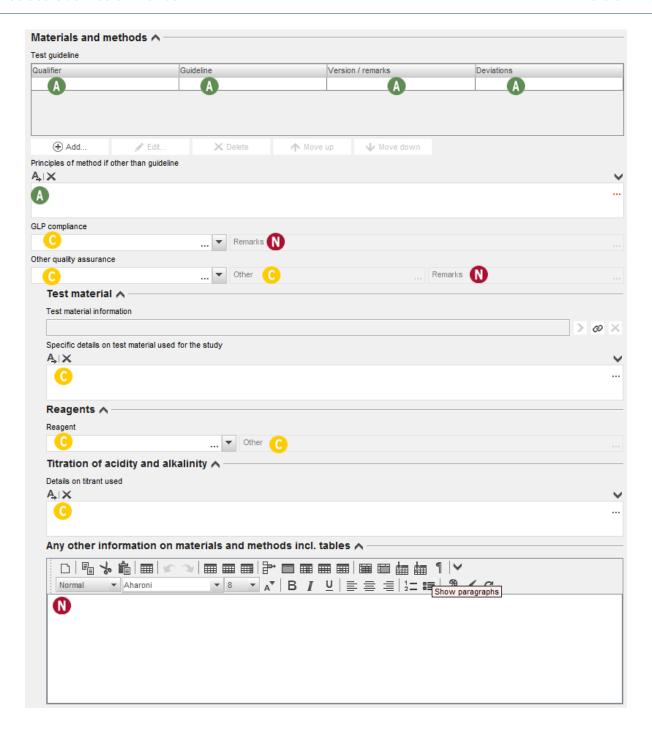


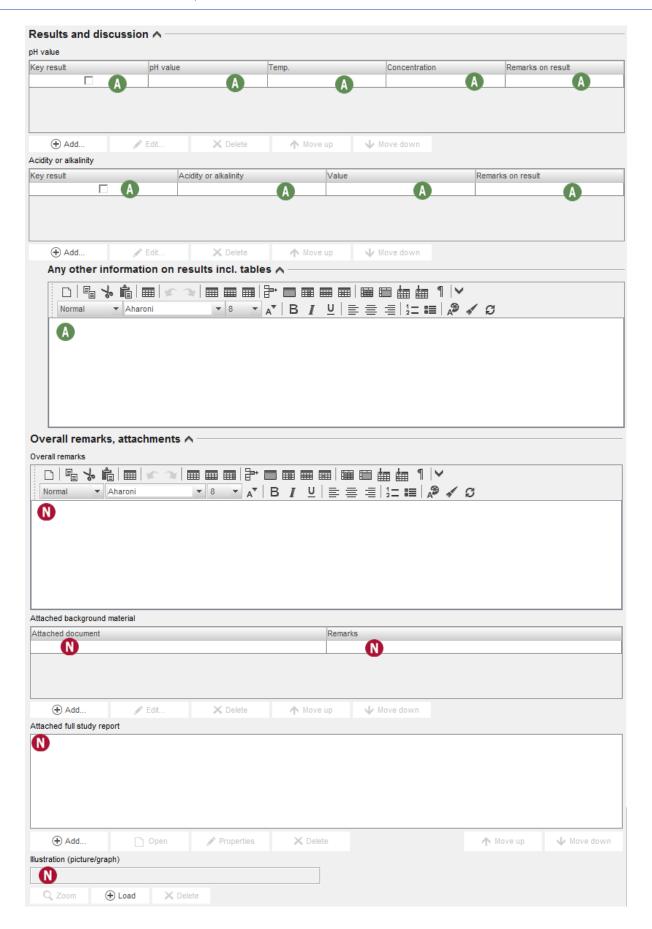
### 3.3 Acidity, alkalinity (also in Biocidal Product under 3.2)

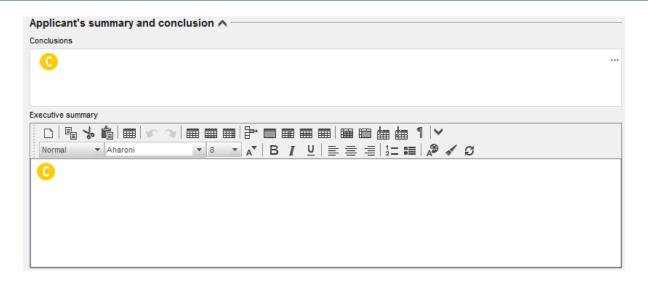
NB: Biocidal Product Administrative data ^



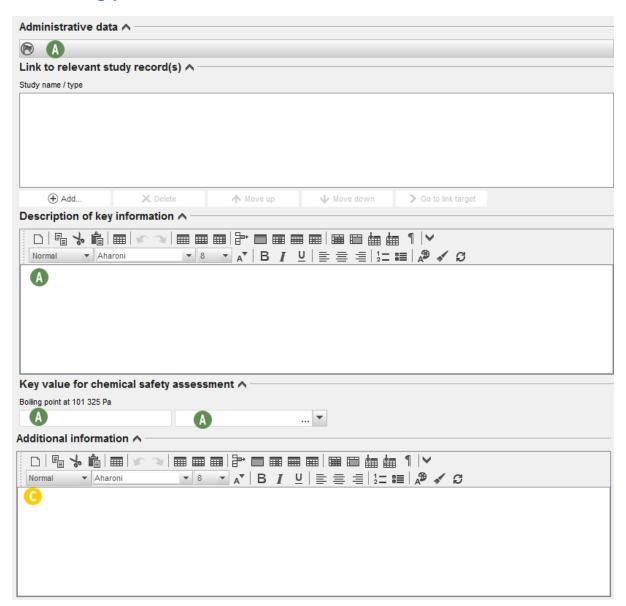


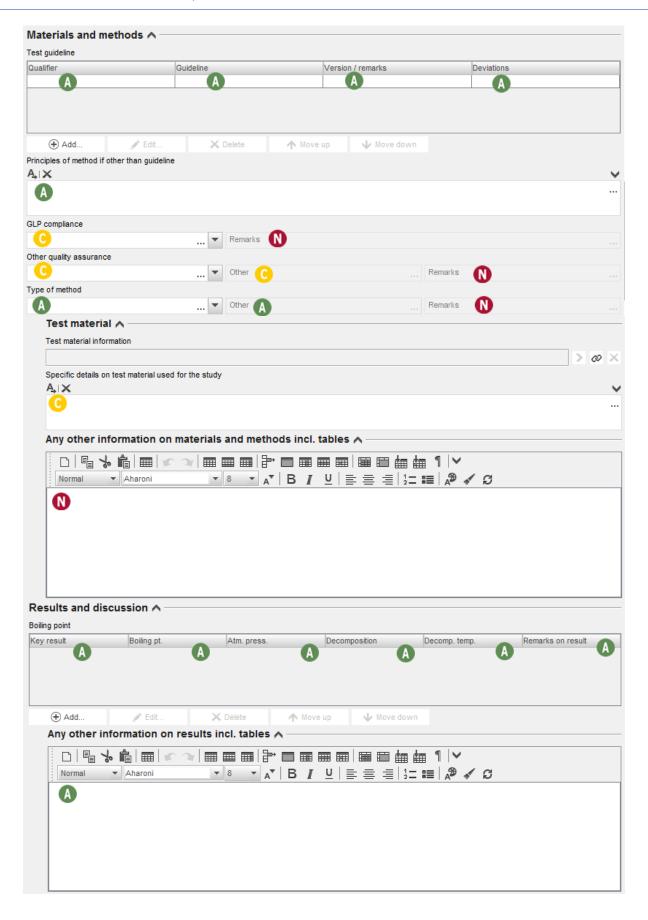






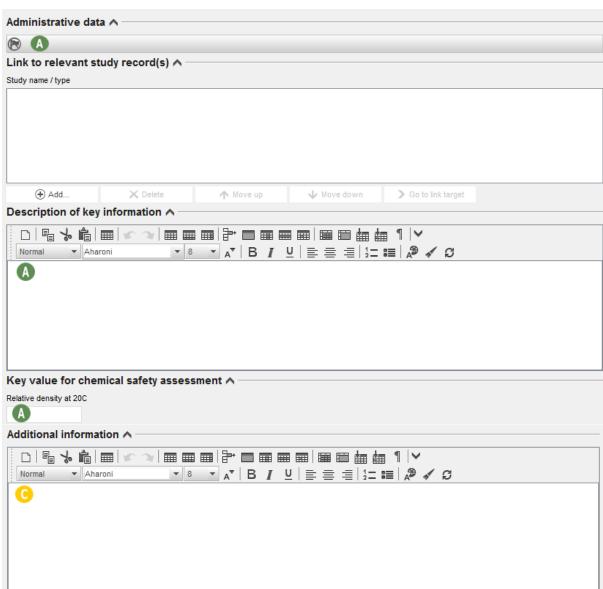
### 3.4 Boiling point

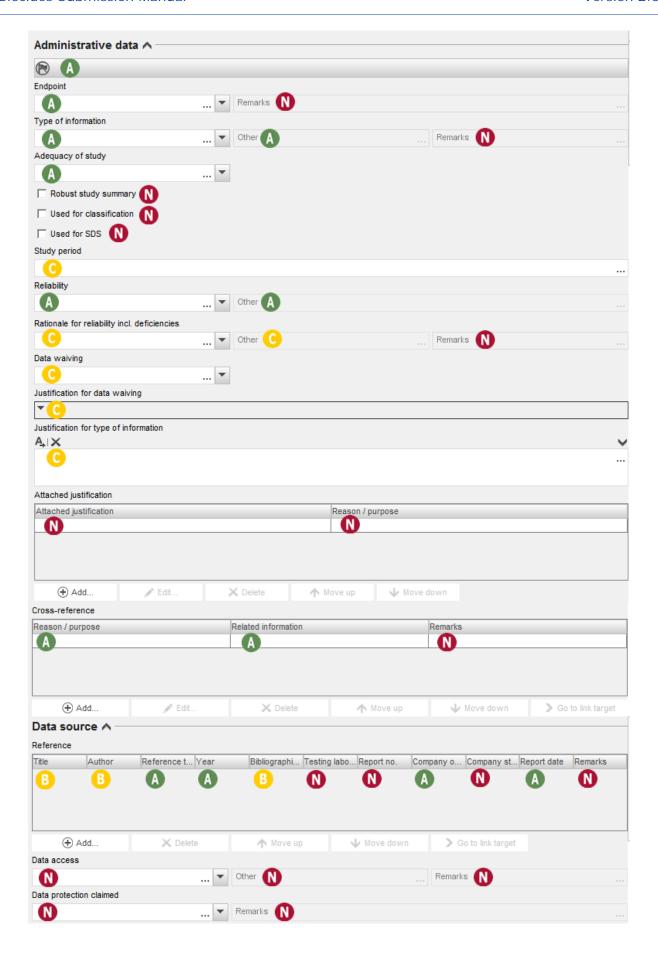


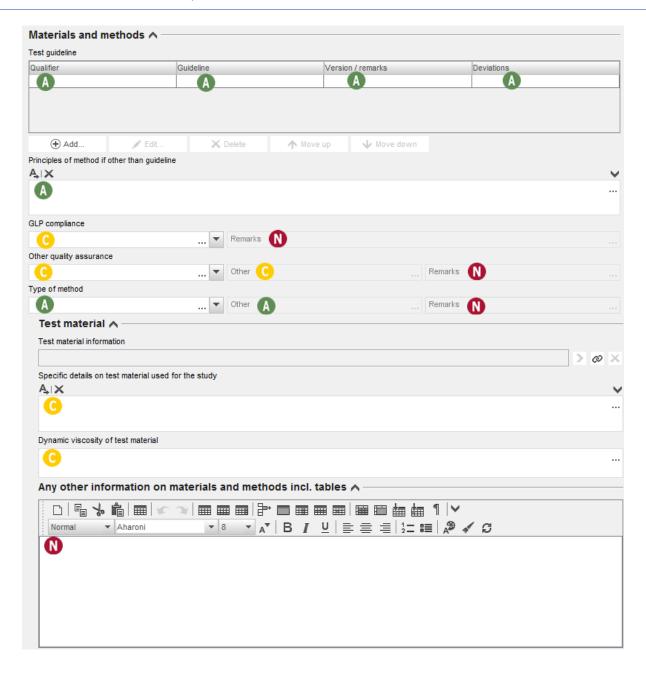


### **3.5** Relative density (also in Biocidal Product under 3.3 Relative density (liquids) and bulk, tap density (solids))

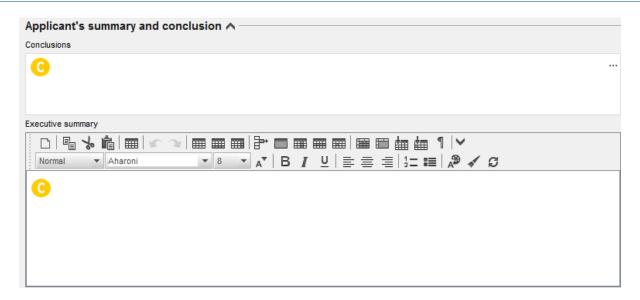
NB: Biocidal Product  $\bigcirc$   $\longrightarrow$   $\bigcirc$ 



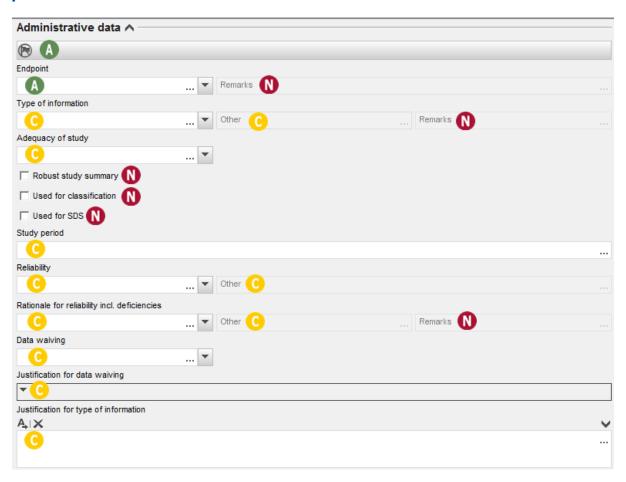


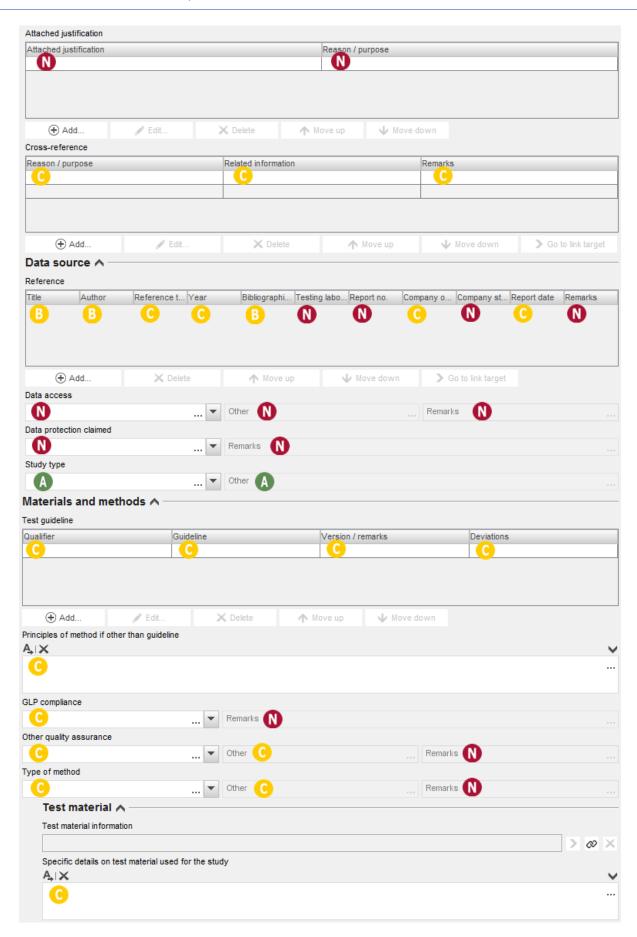


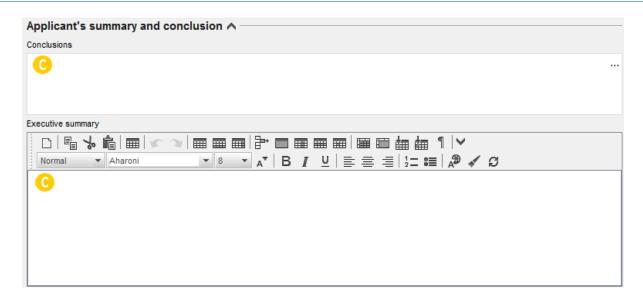




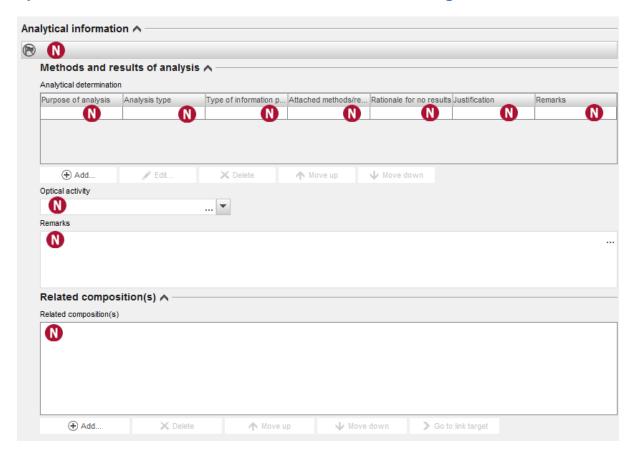
## **3.5** Biocidal Product – Technical characteristics of the biocidal product



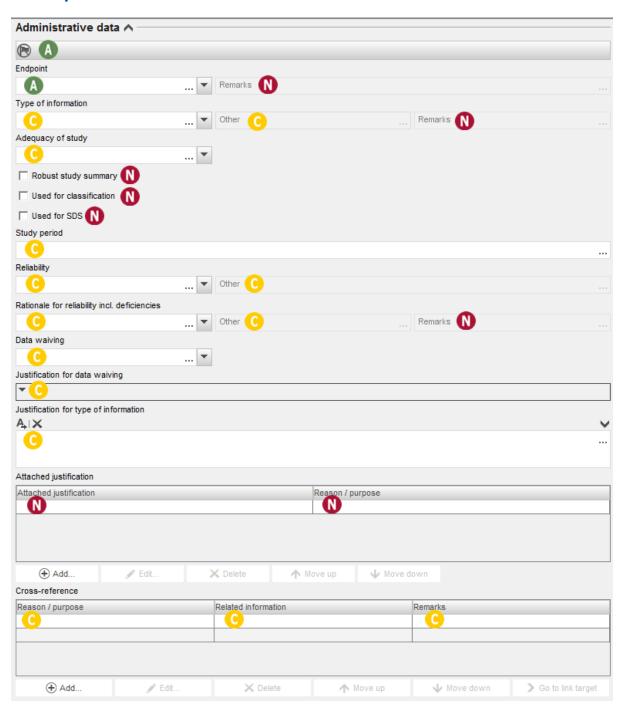


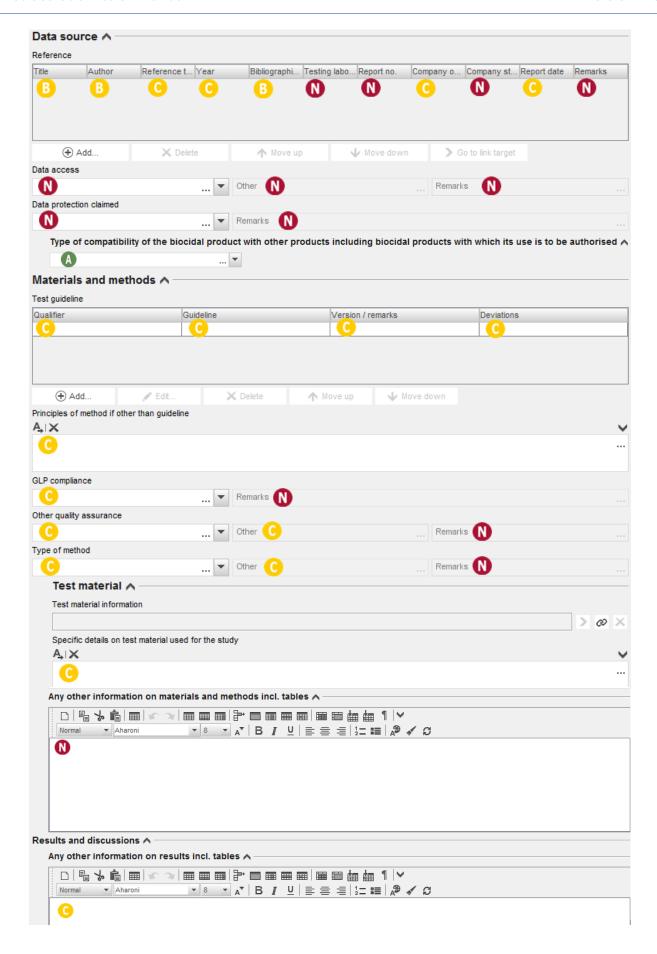


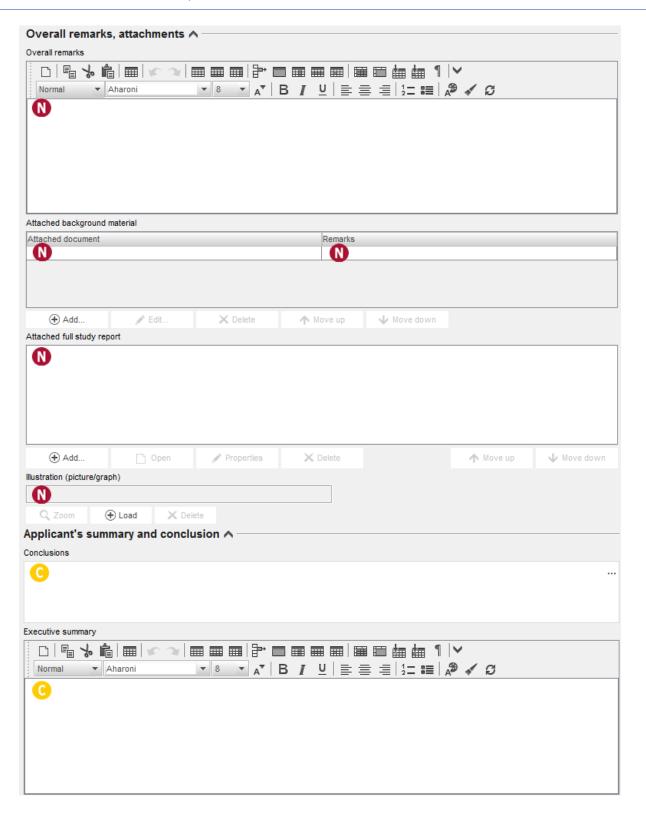
## **3.6** Absorption spectra data (UV/VIS, IR, NMR) and a mass spectrum, molar extinction at relevant wavelengths



## **3.6** Biocidal product - Physical and chemical compatibility with other products

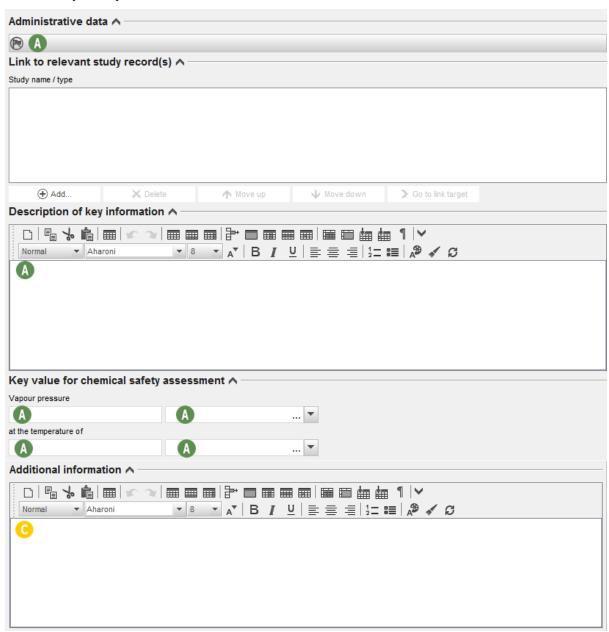


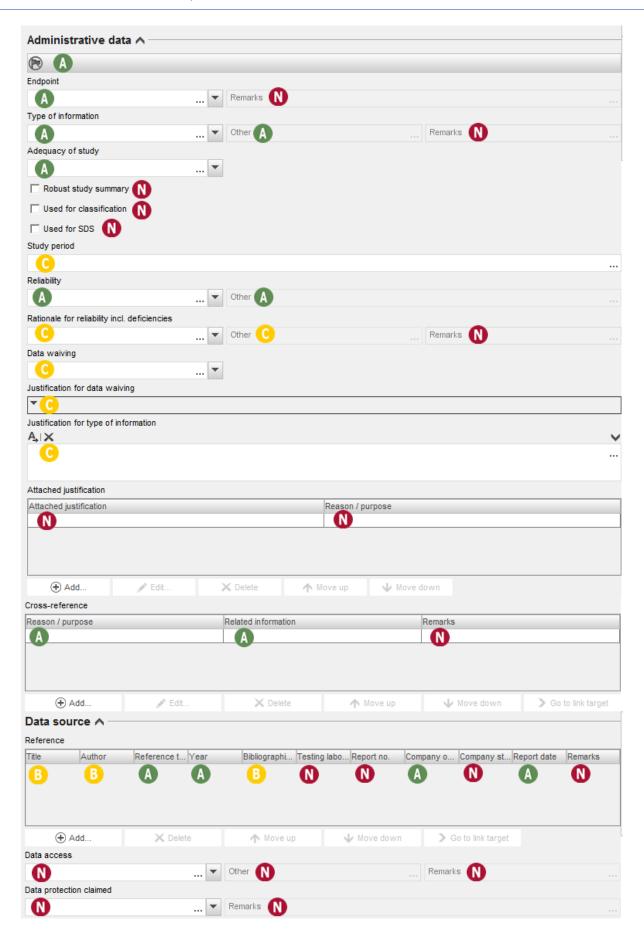


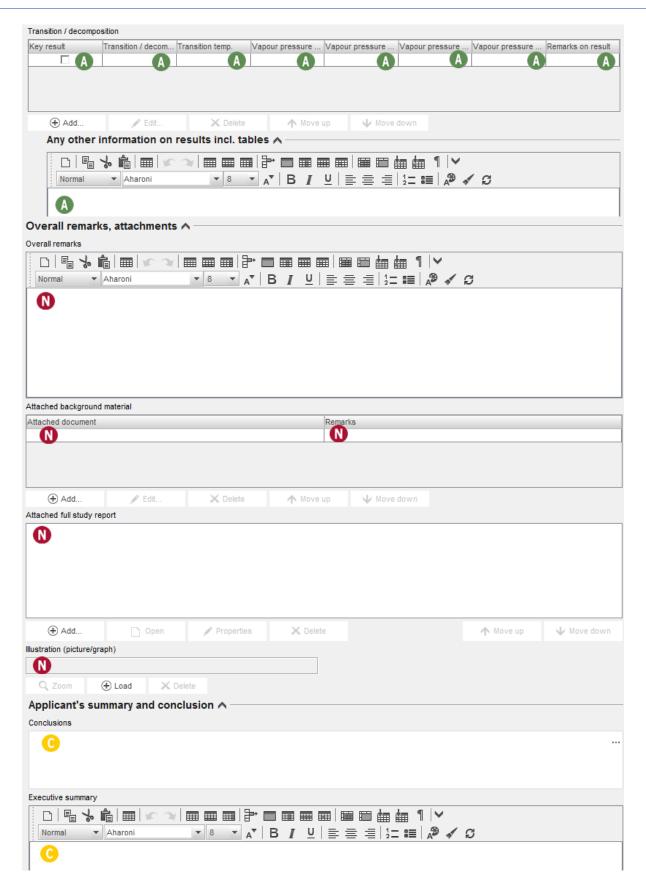


### 3.7 Vapour pressure and Henry's law constant

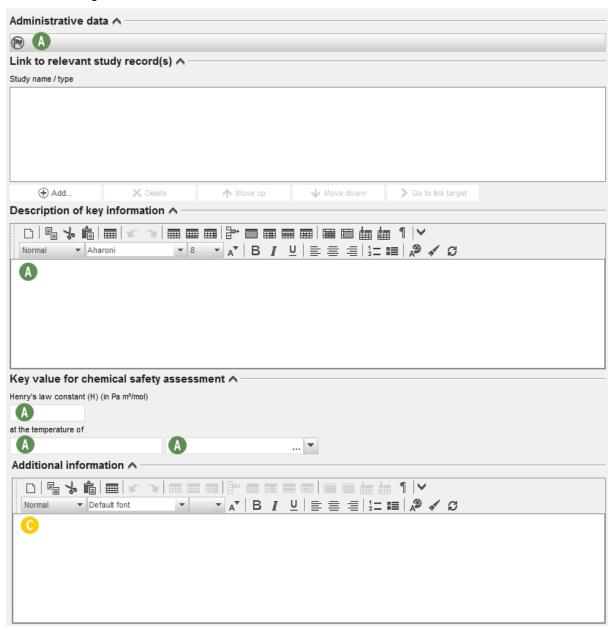
#### 3.7.1 Vapour pressure

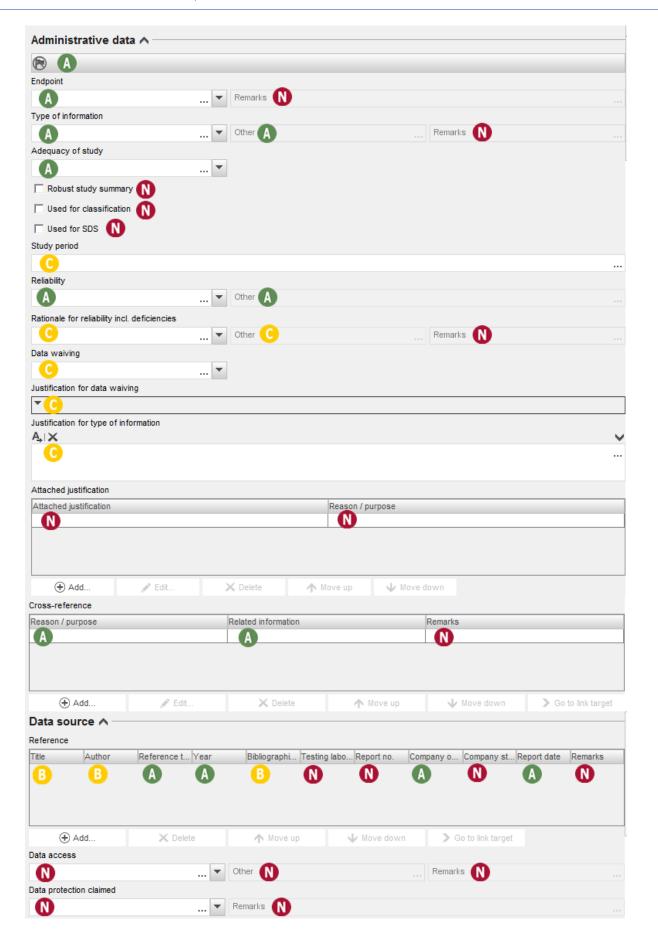


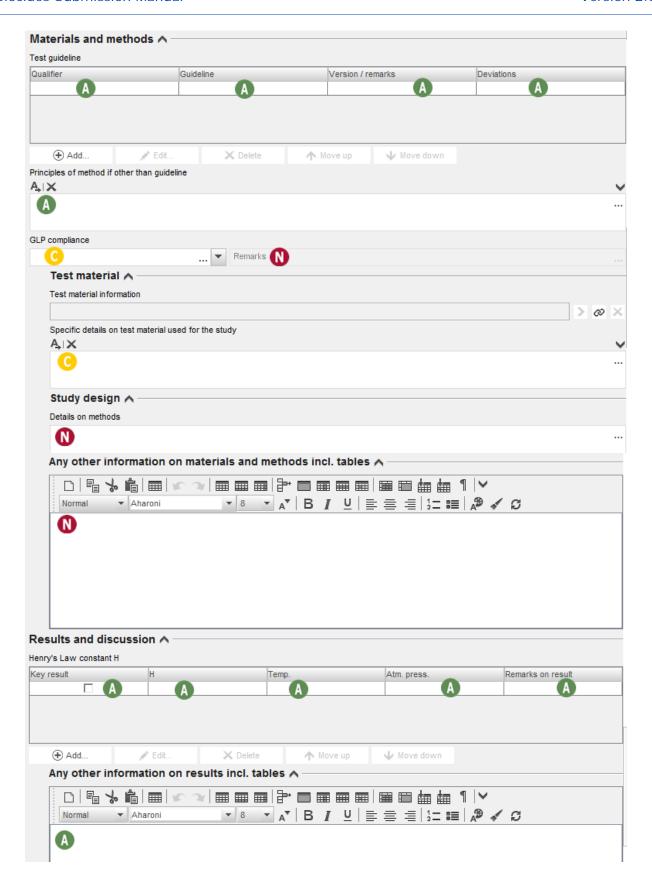


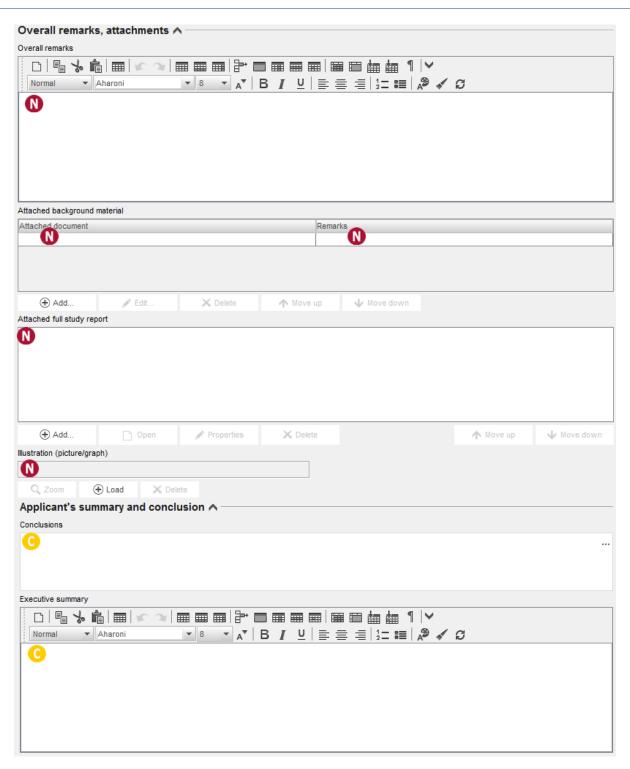


#### 3.7.2 Henry's law constant



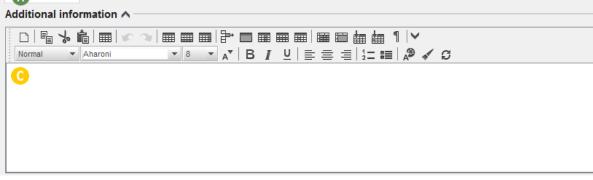


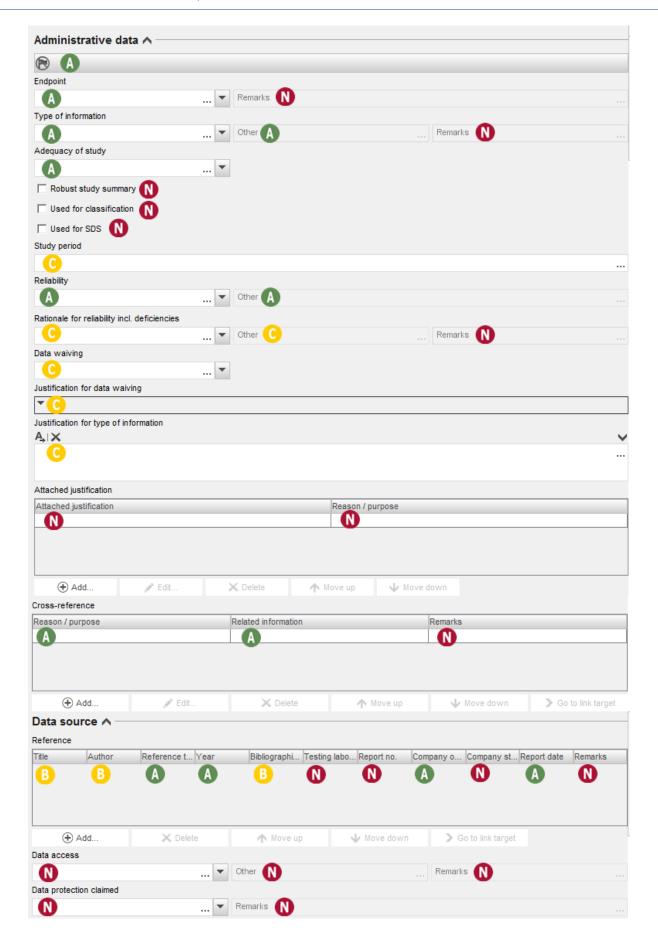


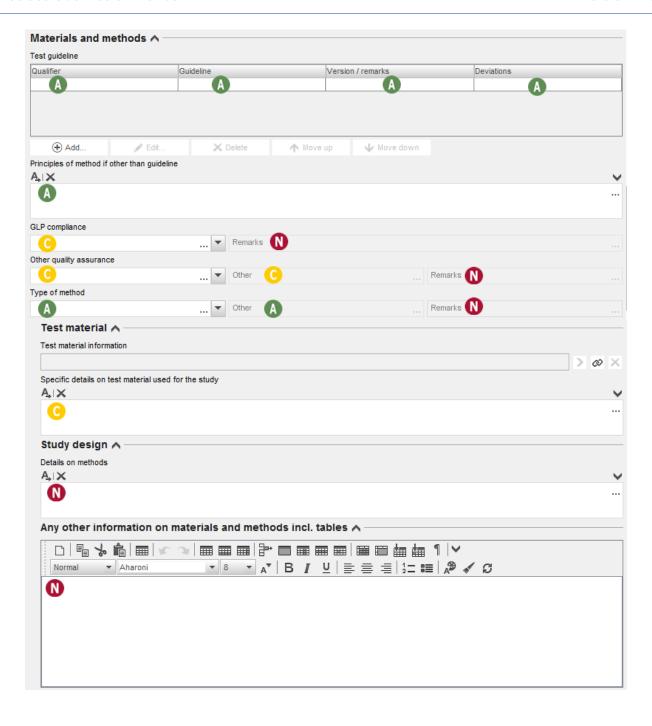


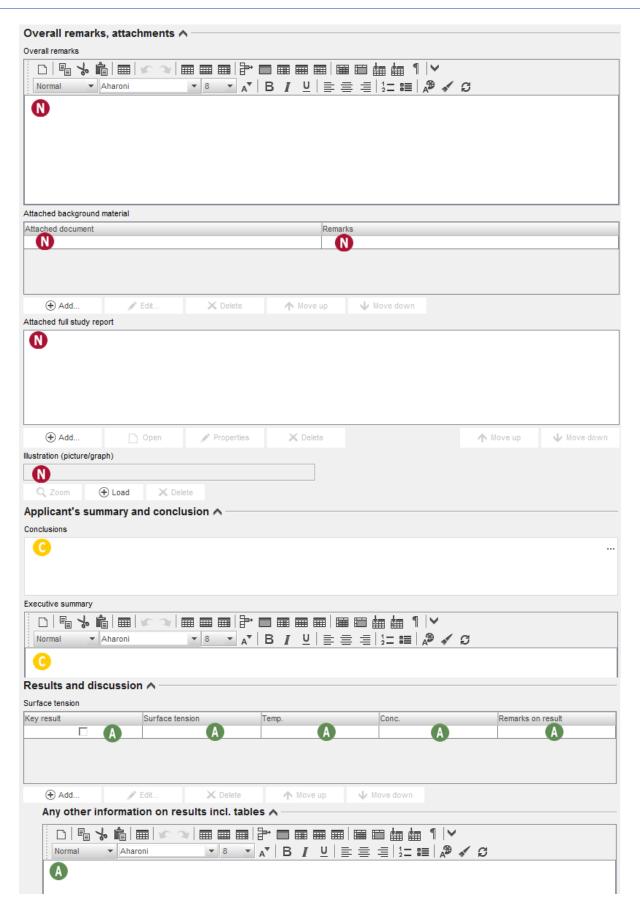
#### 3.8 Surface tension (also in Biocidal Product)

NB: Biocidal Product  $A \rightarrow C$ Administrative data ^ Link to relevant study record(s) ^ Study name / type + Add... X Delete ↑ Move up ↓ Move down > Go to link target Description of key information ^ Normal ▼ Aharoni ▼ 8 ▼ A▼ B I U = = = 12= = A A A S A Key value for chemical safety assessment ∧ Surface tension A in mN/m at 20°C and concentration in mg/L A

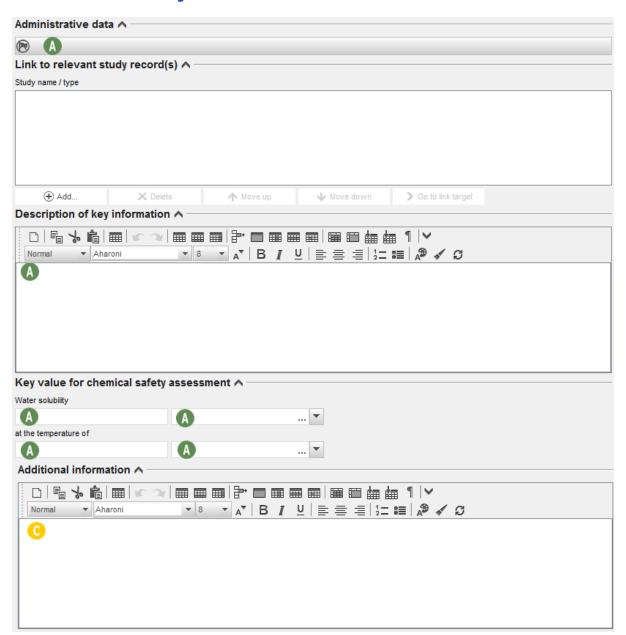


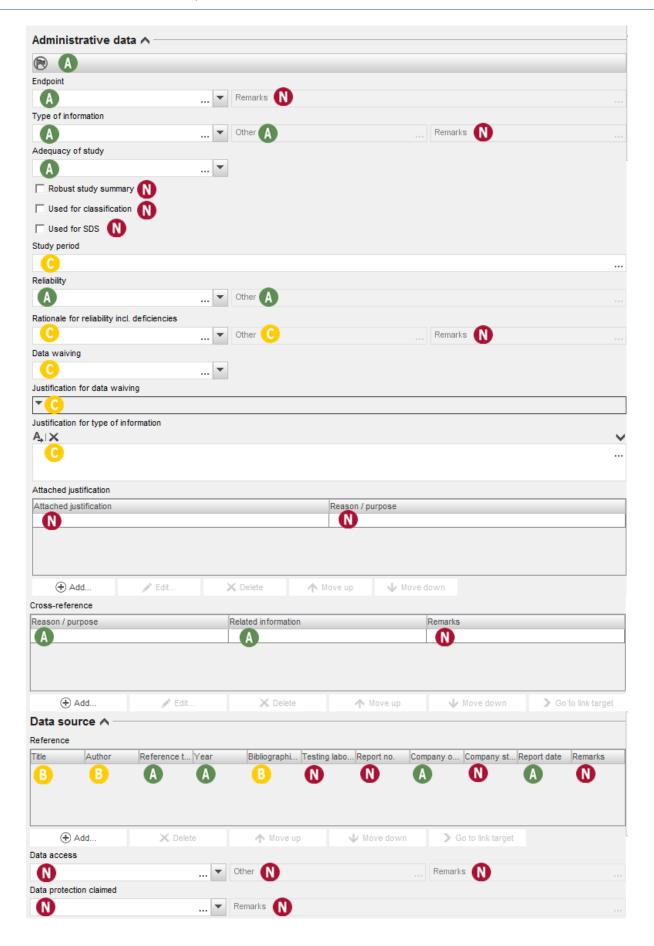


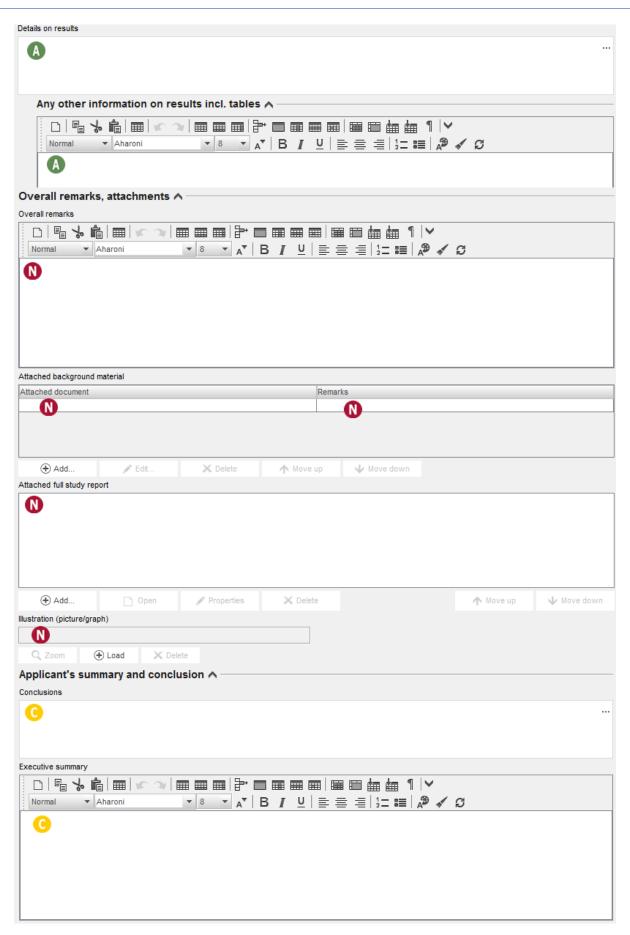




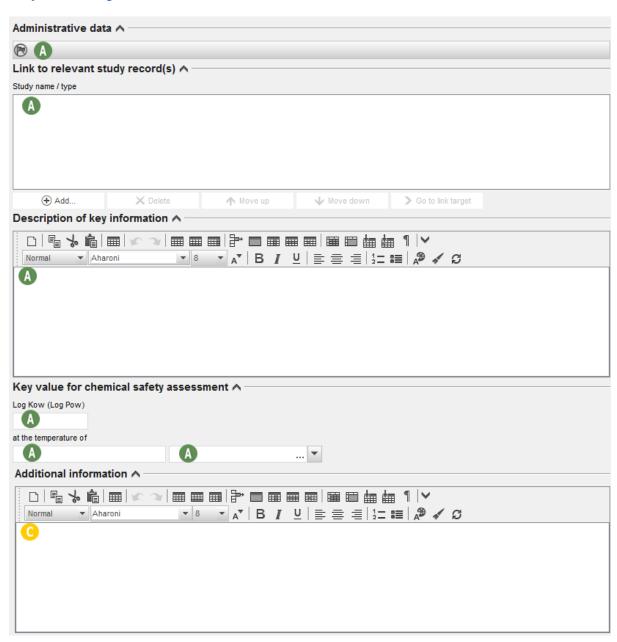
## 3.9 Water solubility

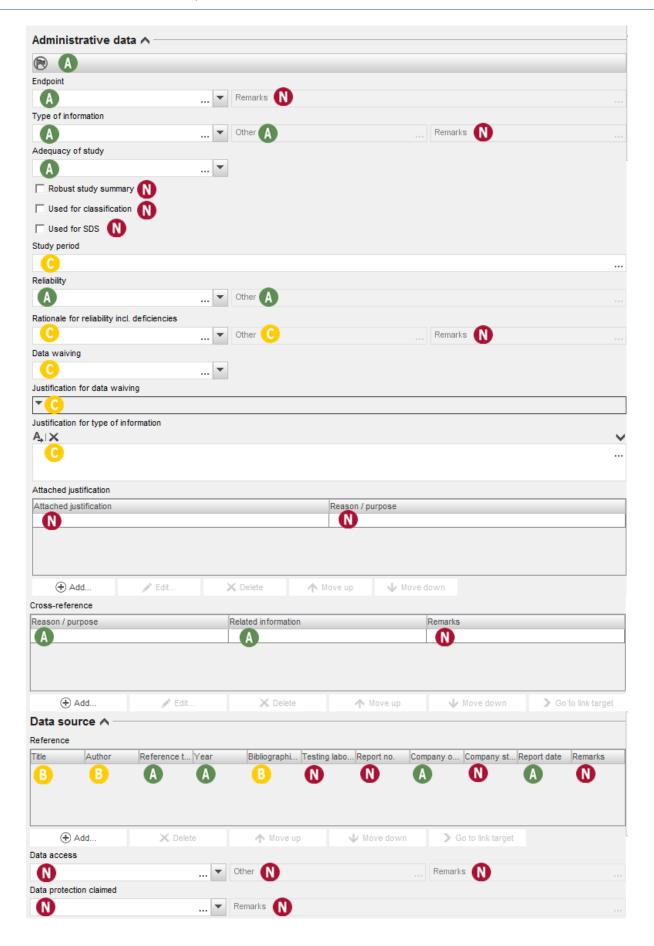


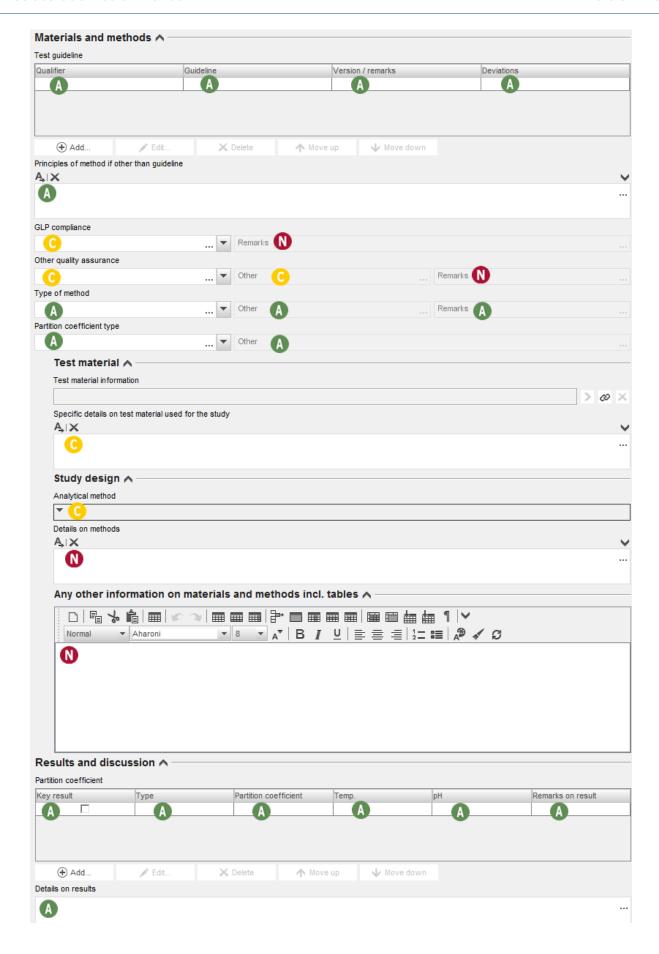


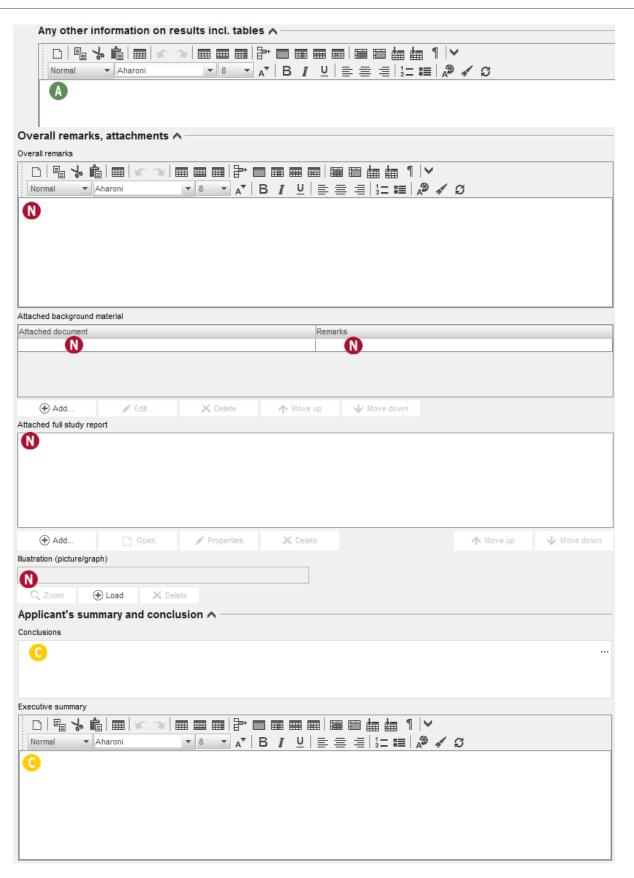


# **3.10** Partition coefficient (n-octanol/water) and its pH dependency



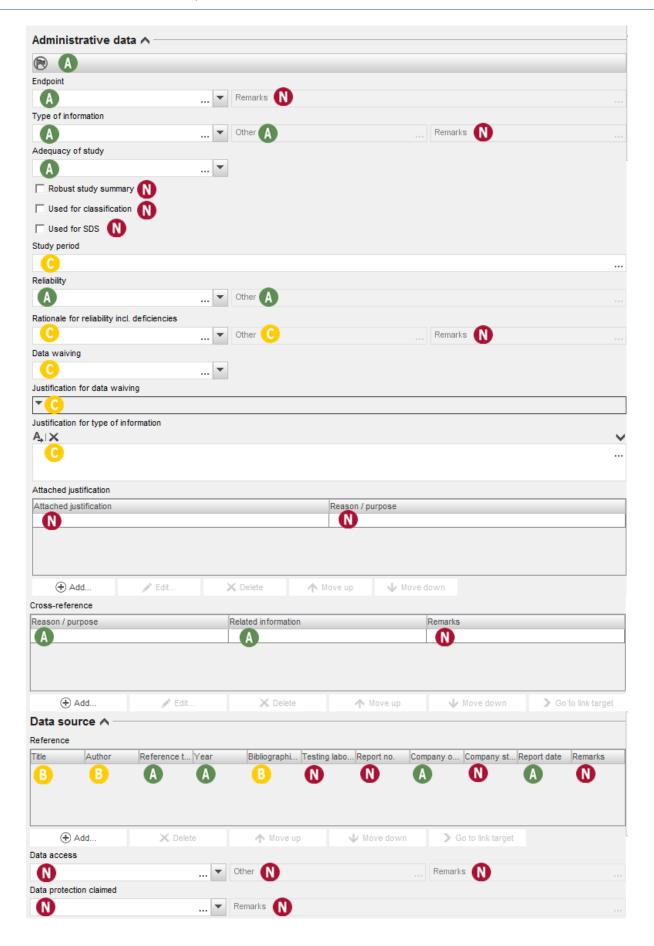


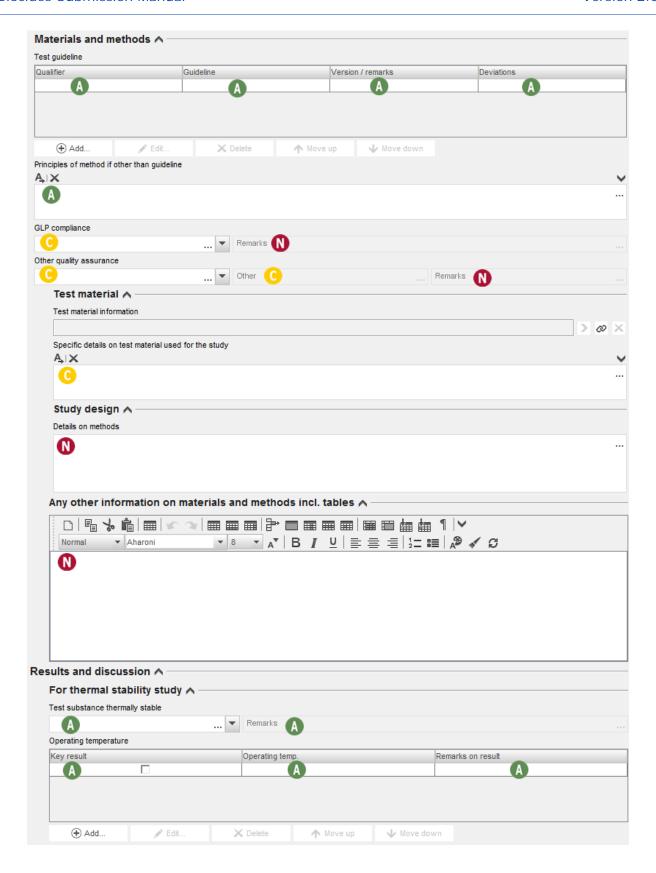


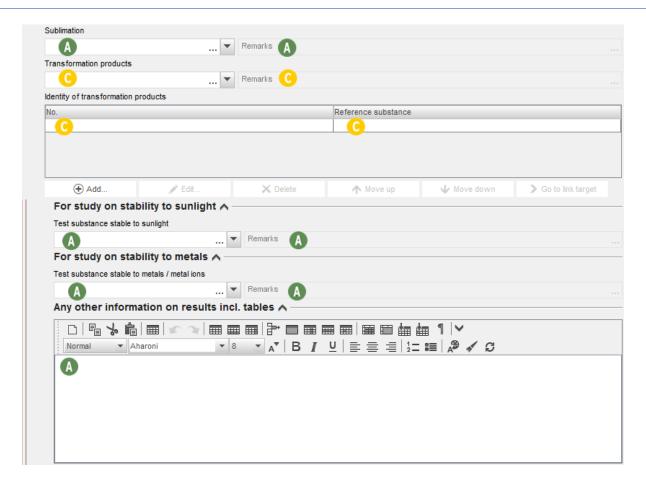


# **3.11** Thermal stability, identity of breakdown products (also in Biocidal Product under <u>3.4.2.1 Light</u>)

NB: Biocidal Product (A) → (6) Administrative data ^ Link to relevant study record(s) ∧ Study name / type ↑ Move up Description of key information ^ Normal ▼ Aharoni A Additional information ^ Normal ▼ Aharoni Justification for classification or non-classification ^ Normal ▼ Aharoni A

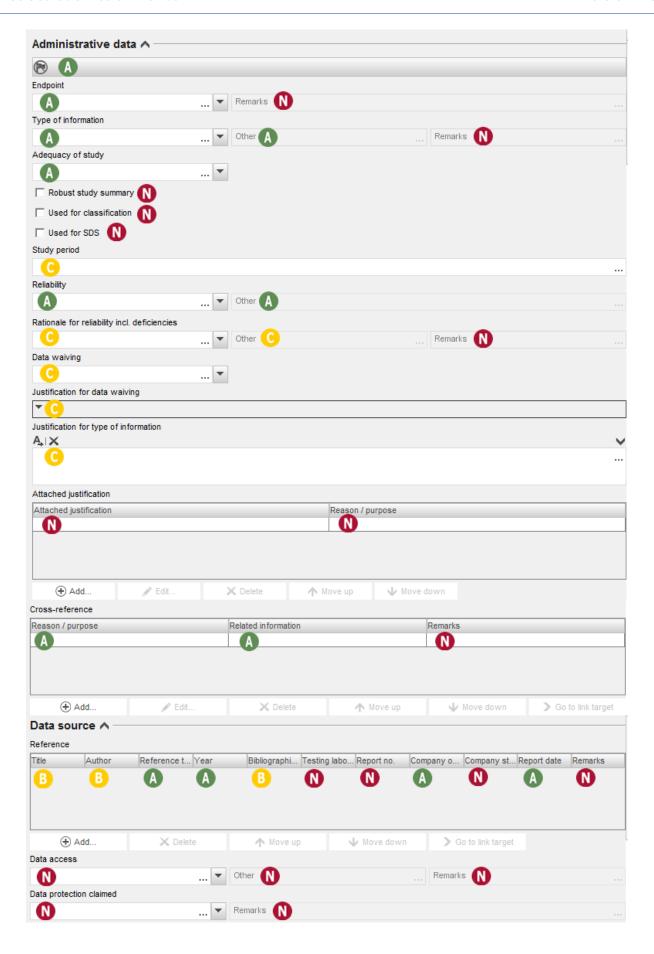


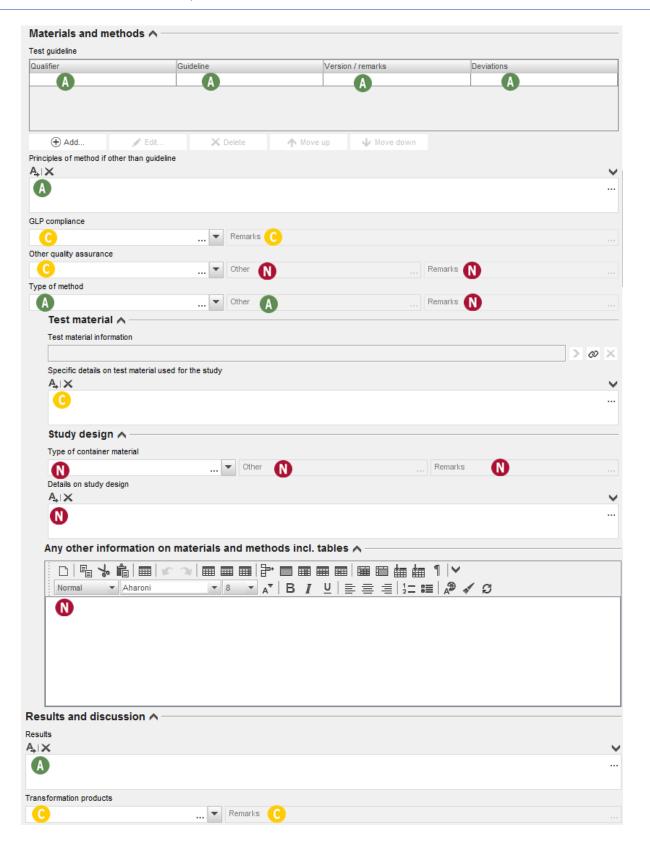


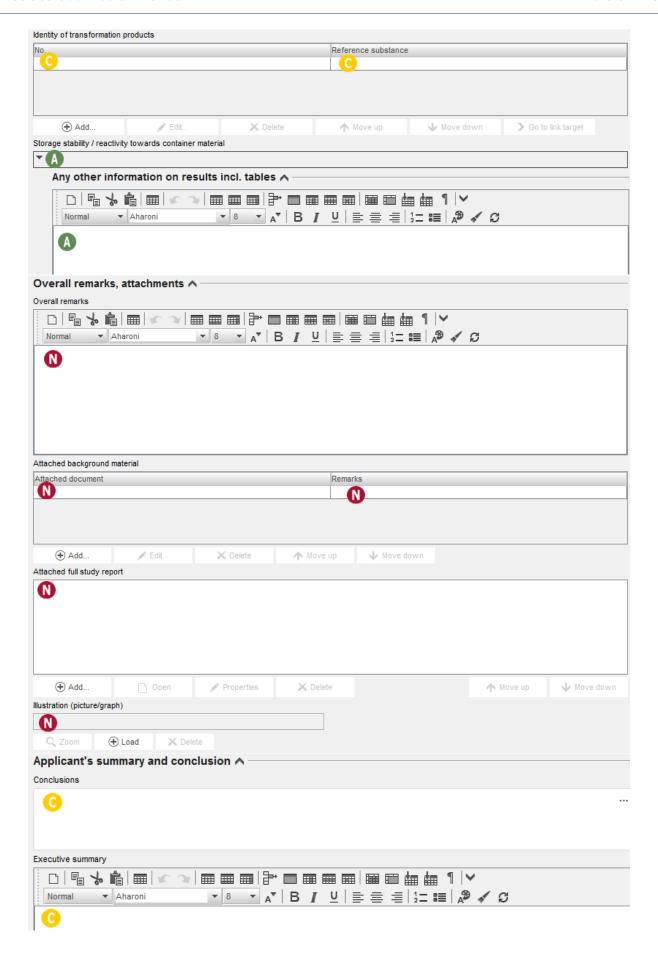


# **3.12** Reactivity towards container material (also in Biocidal Product under <u>3.4.1 Storage stability tests</u>)

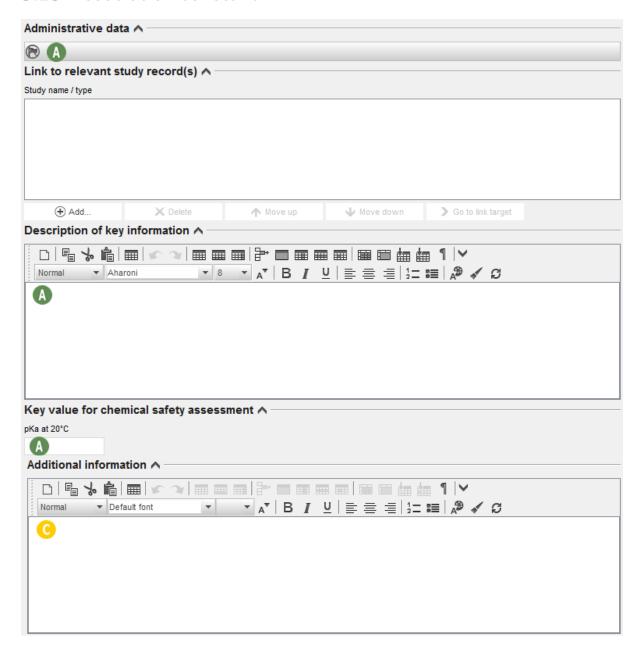
NB: Biocidal Product (A) -> ( Administrative data ^ Link to relevant study record(s) ^ Study name / type X Delete ↑ Move up + Add... > Go to link target Description of key information ^ Normal ▼ Default font A Additional information ^ Normal ▼ Default font 0



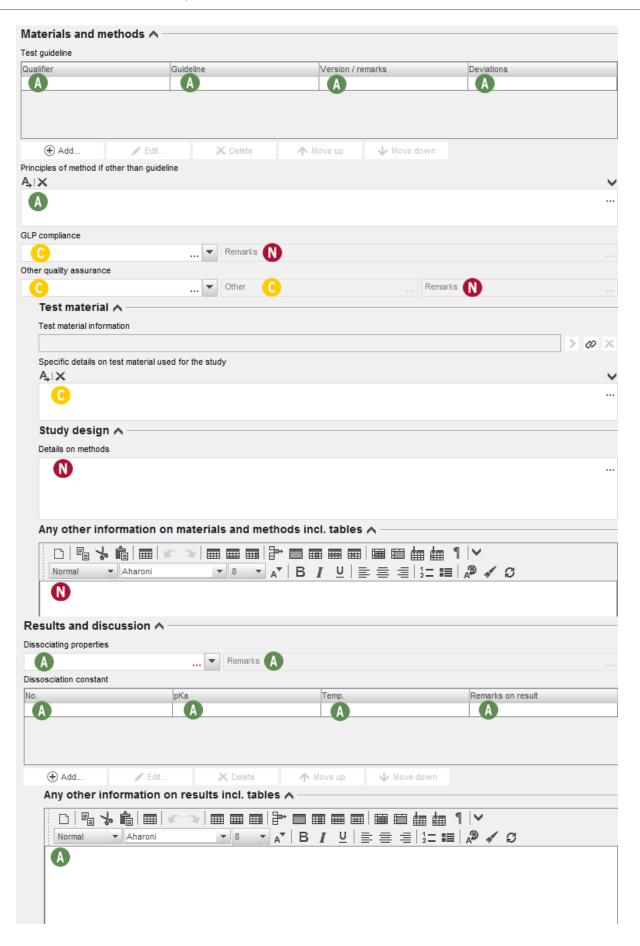


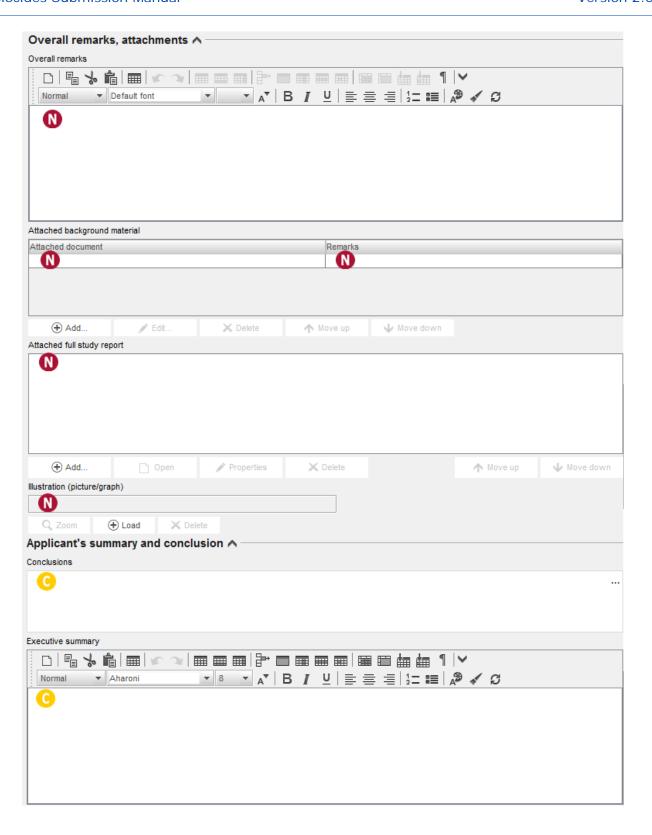


#### 3.13 Dissociation constant

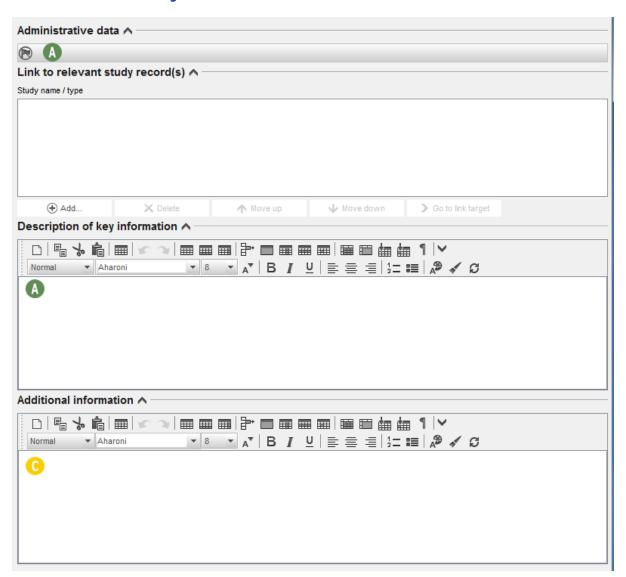


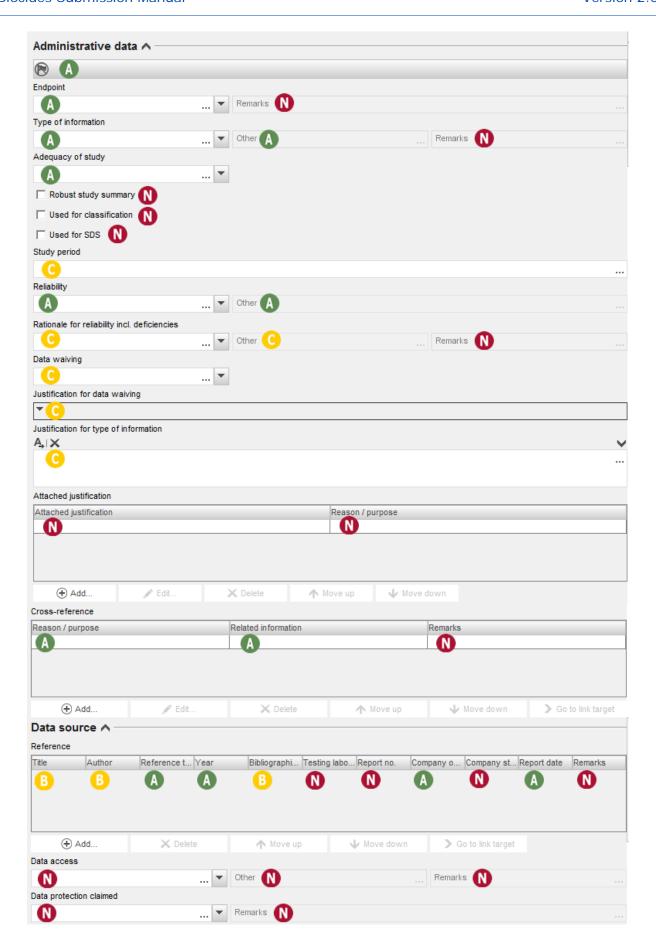
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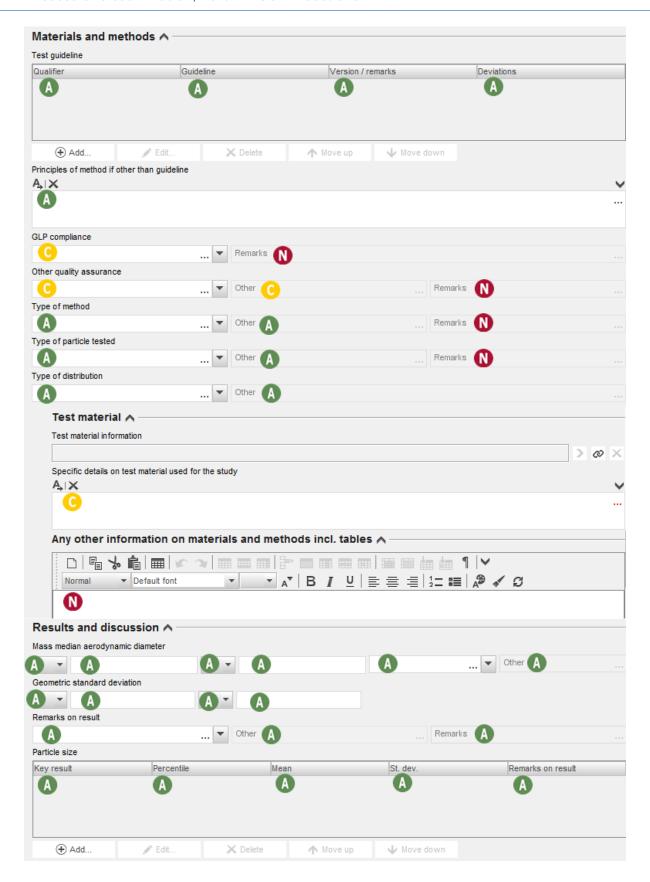


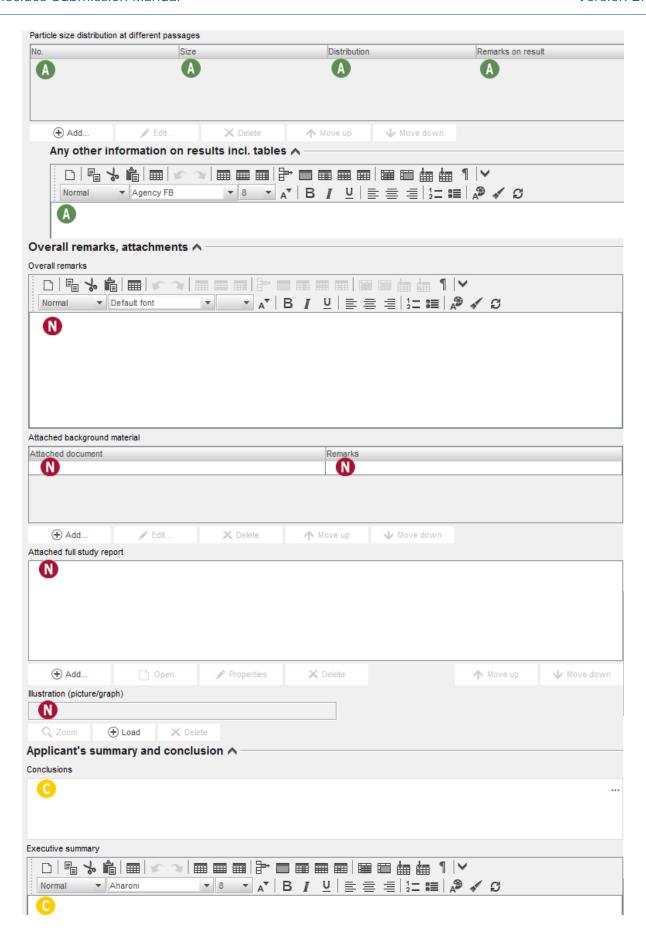


## 3.14 Granulometry



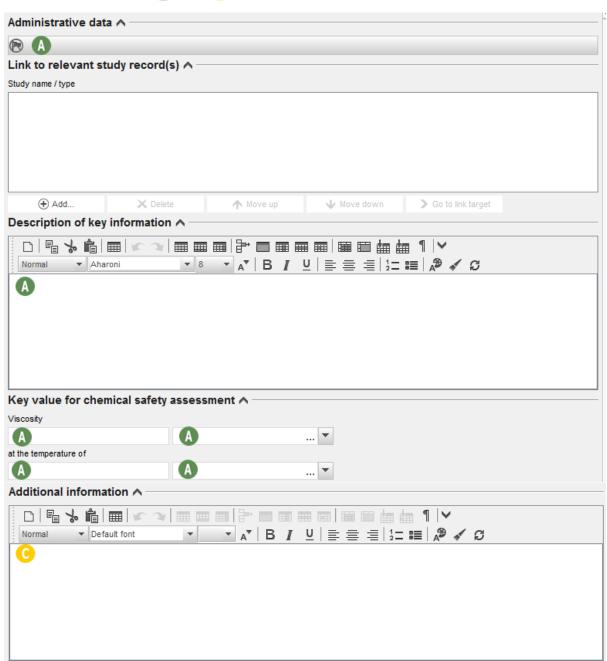


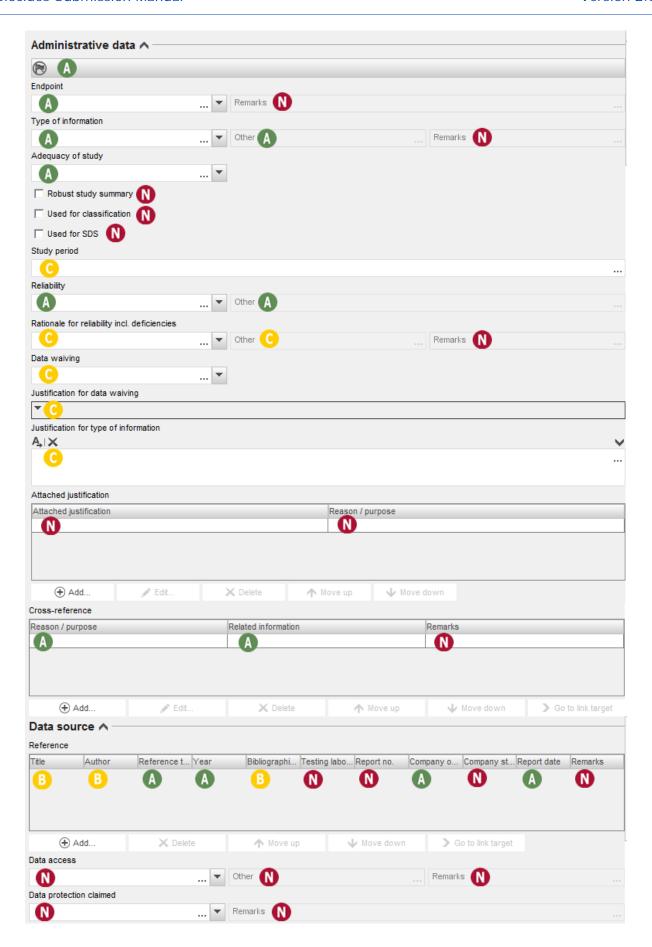


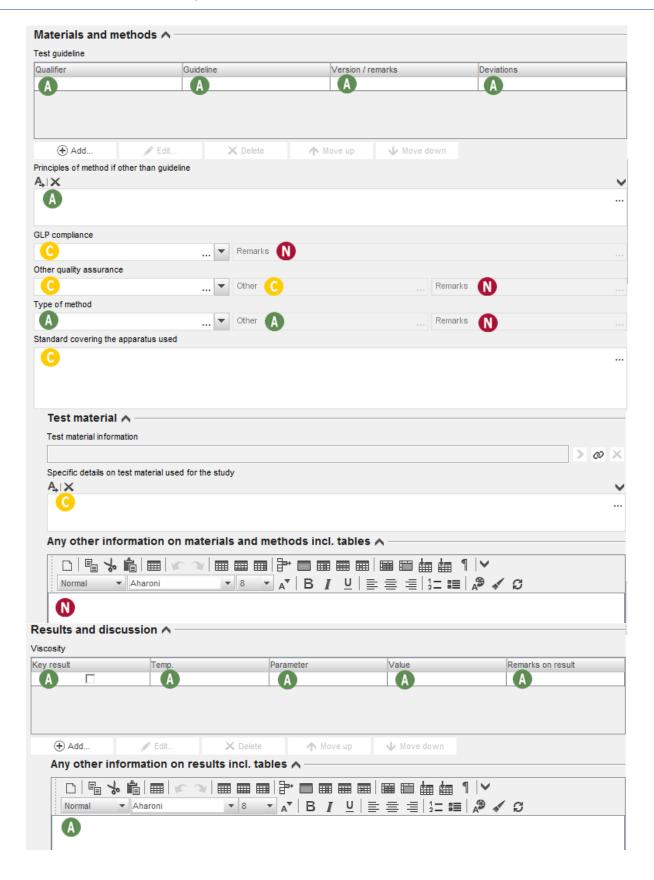


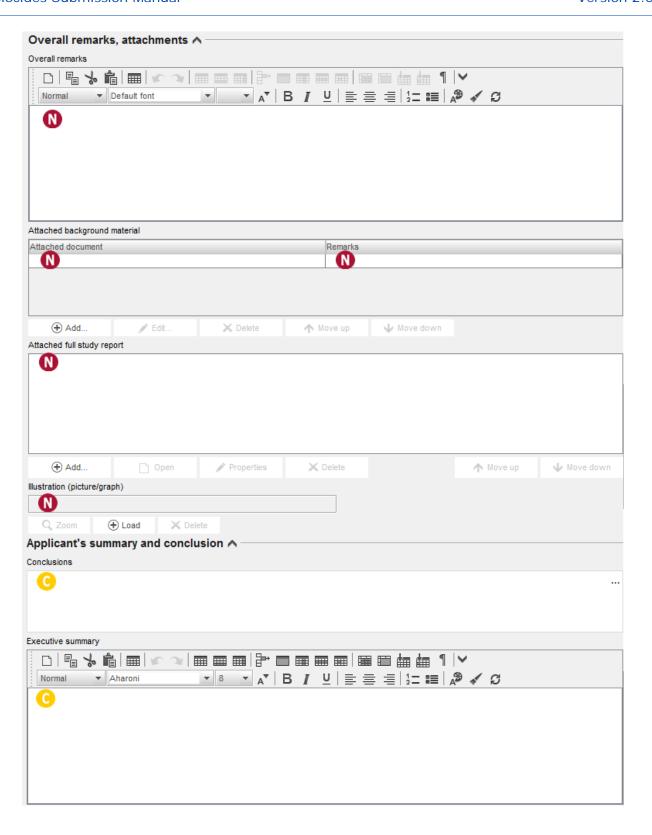
### **3.15** Viscosity (also in Biocidal Product under <u>3.9</u>)

NB: Biocidal Product  $\bigcirc$ 

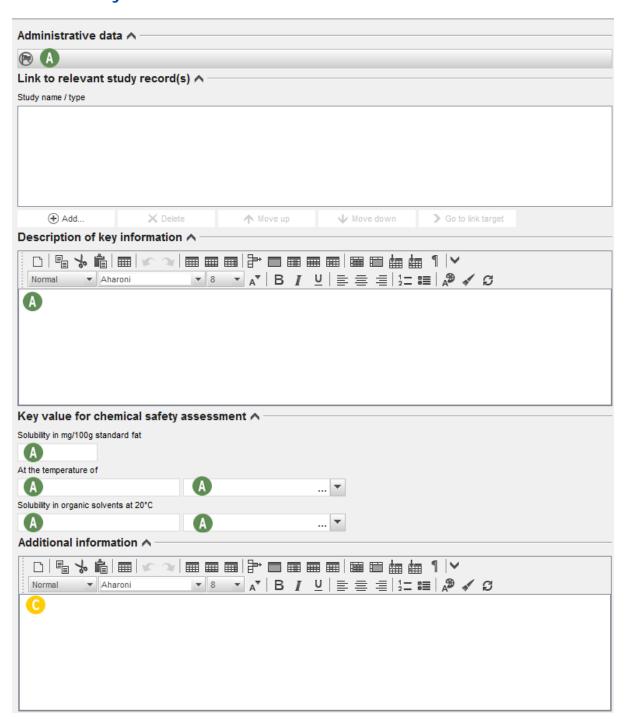


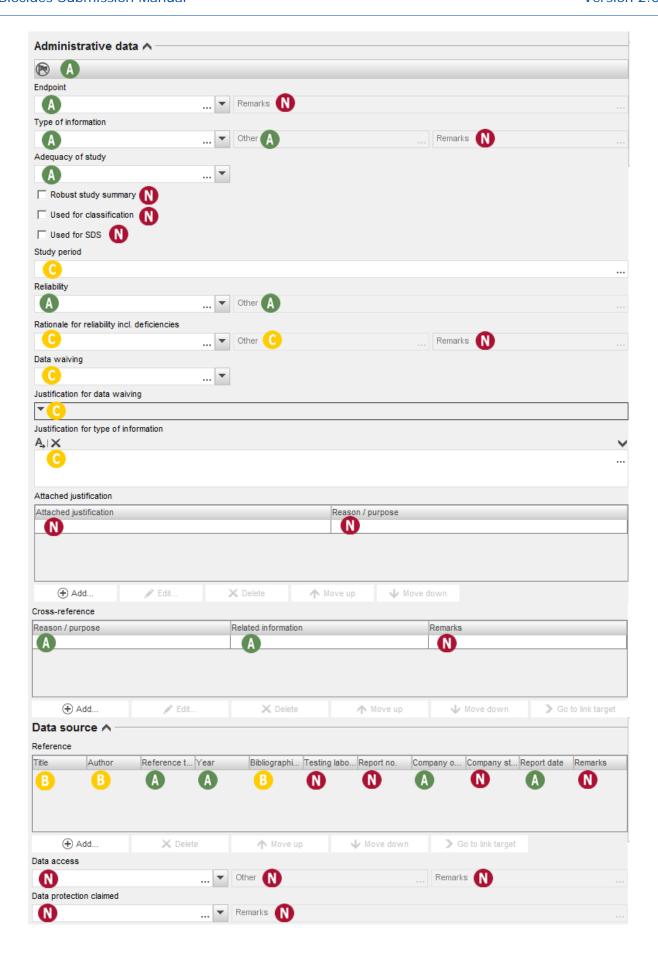


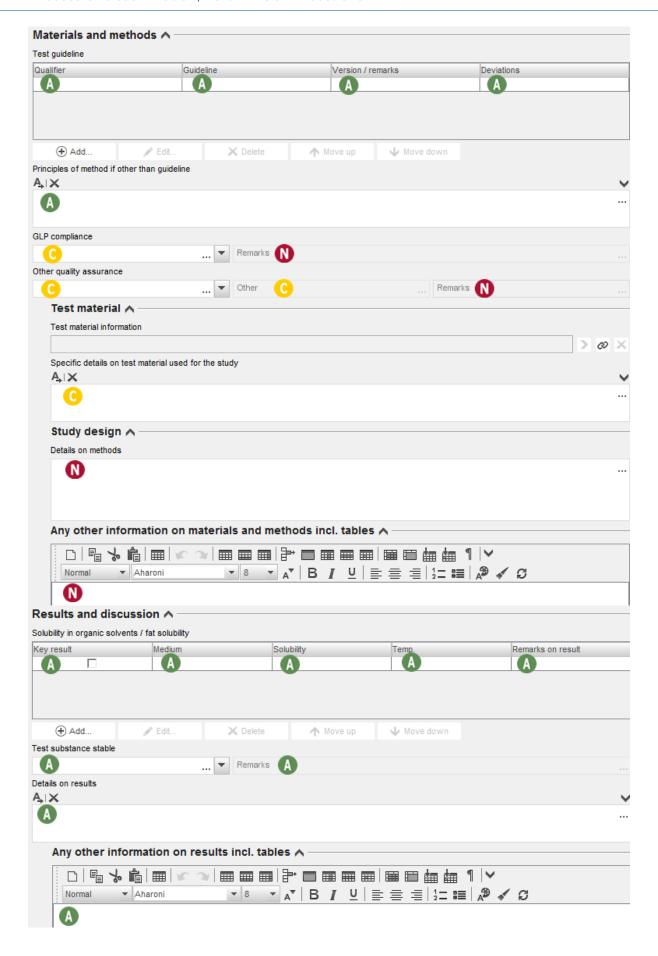


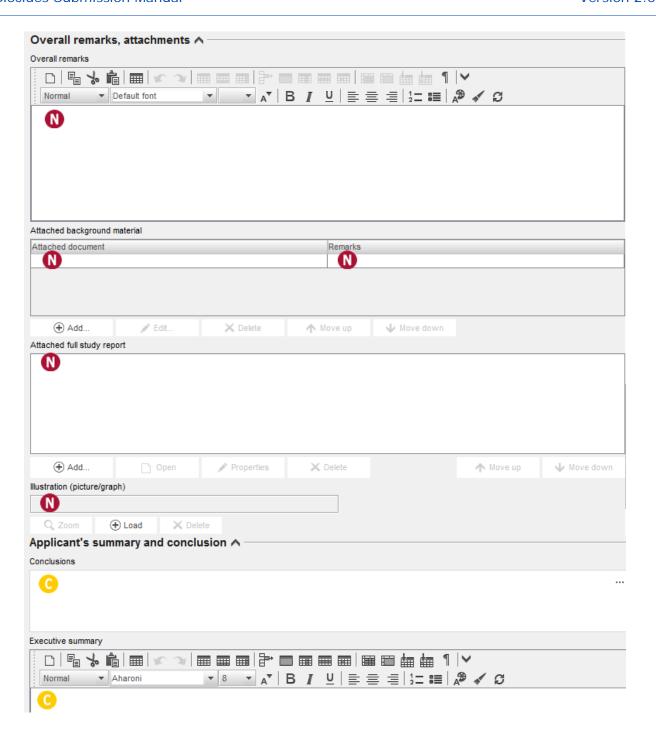


# **3.16** Solubility in organic solvents, including effect of temperature on solubility

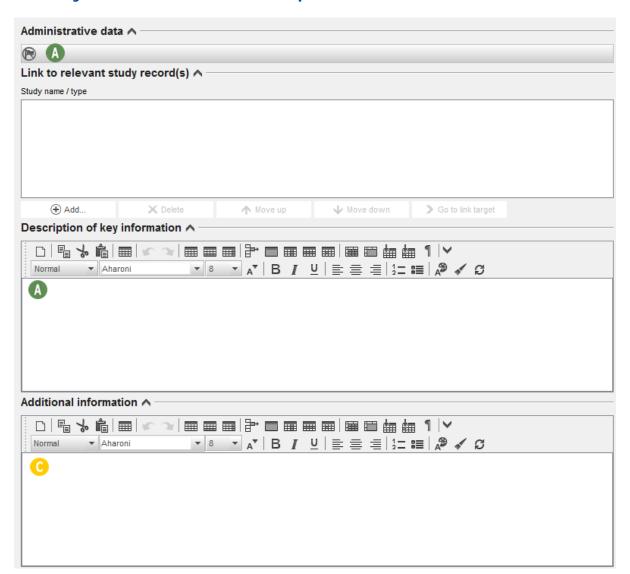


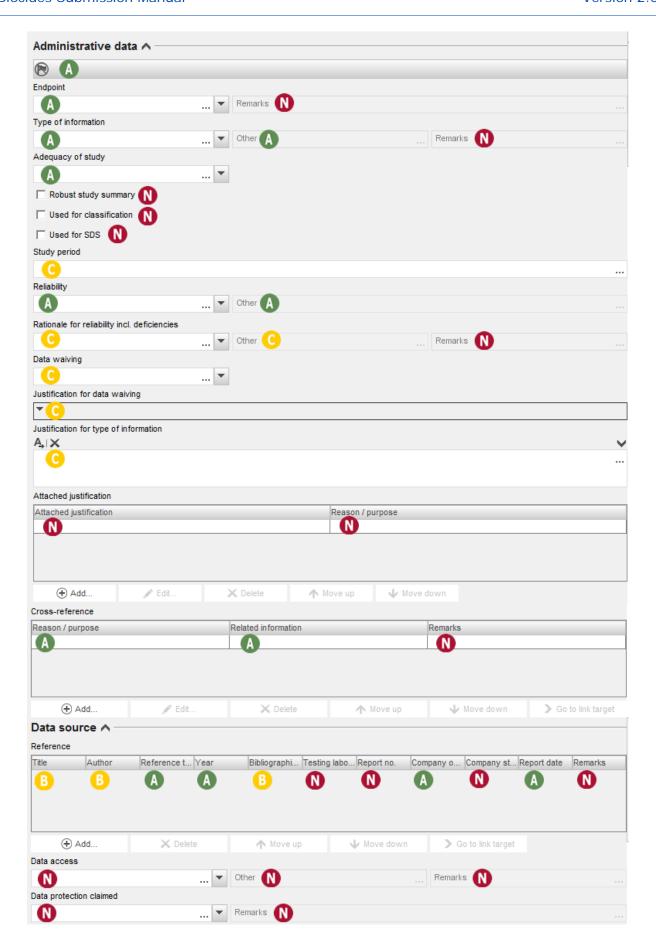


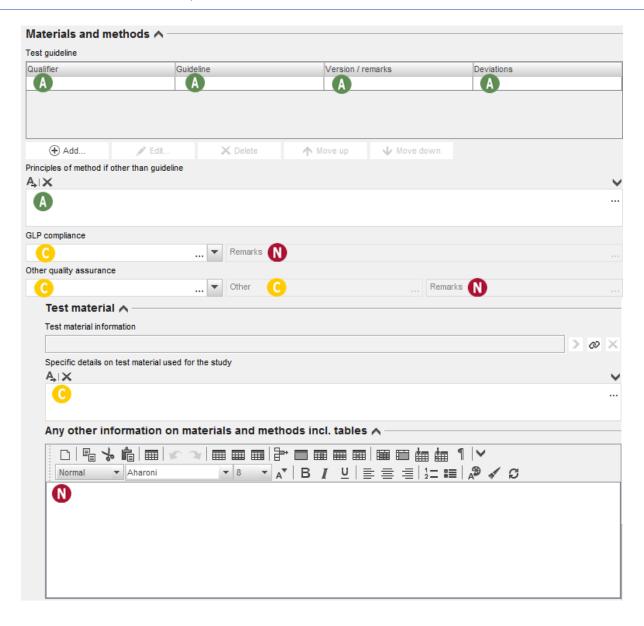


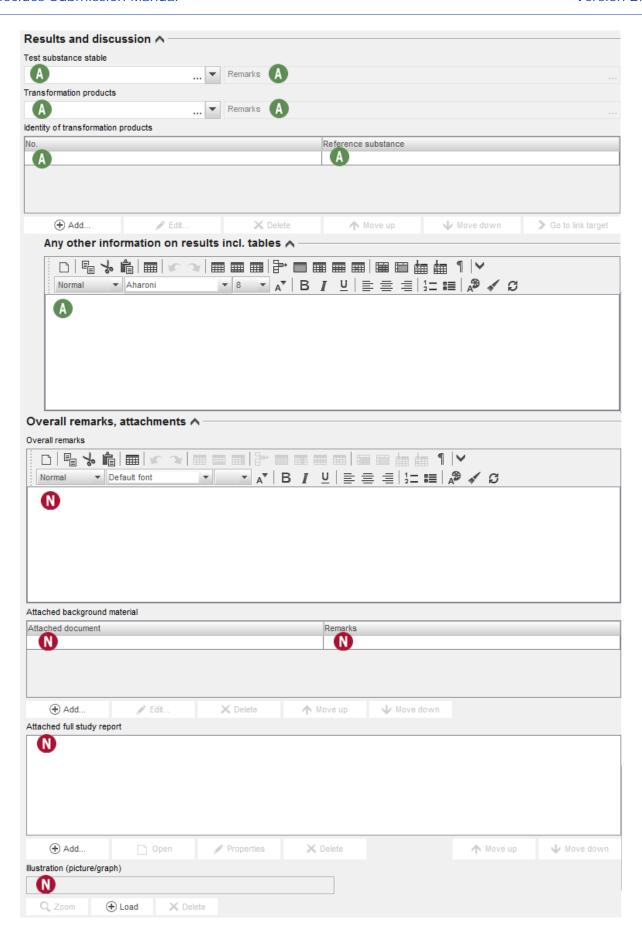


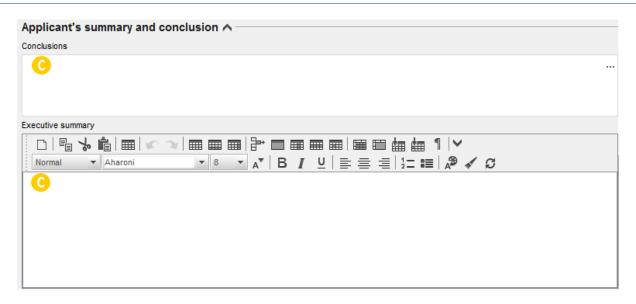
# **3.17** Stability in organic solvents used in biocidal products and identity of relevant breakdown products





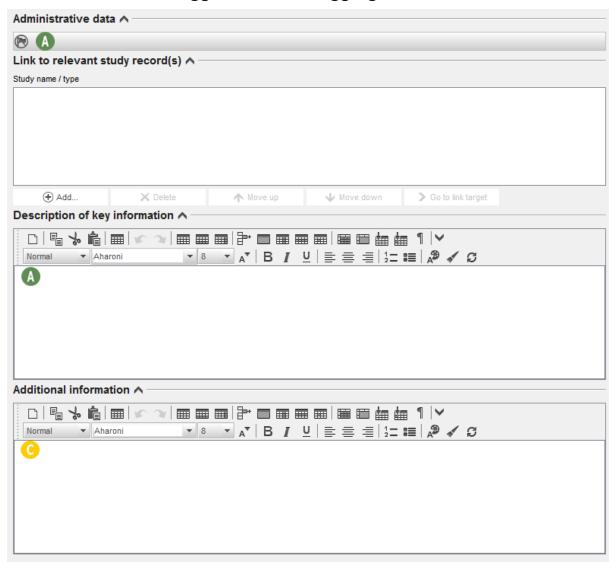


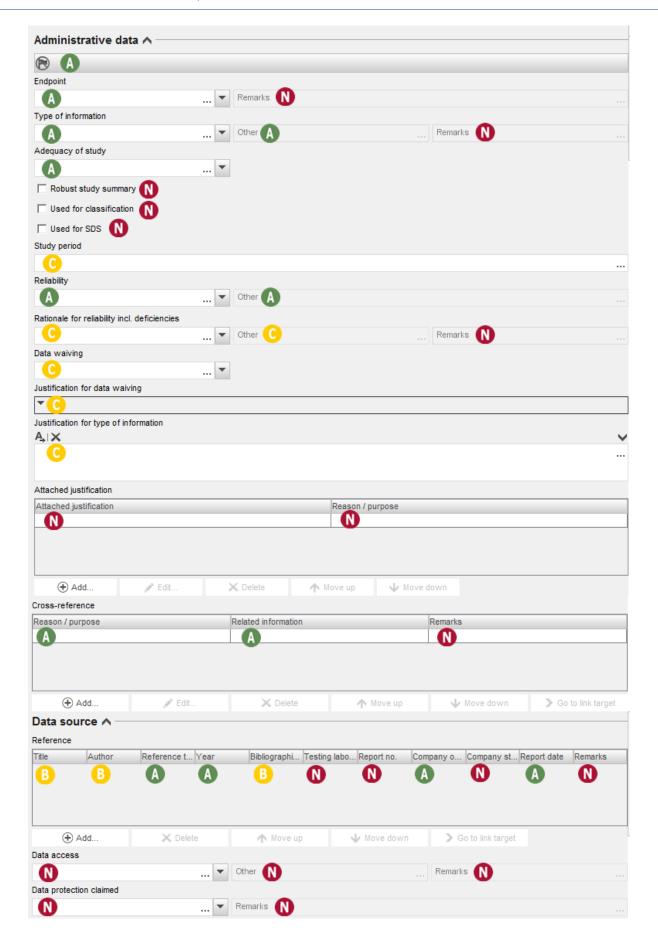


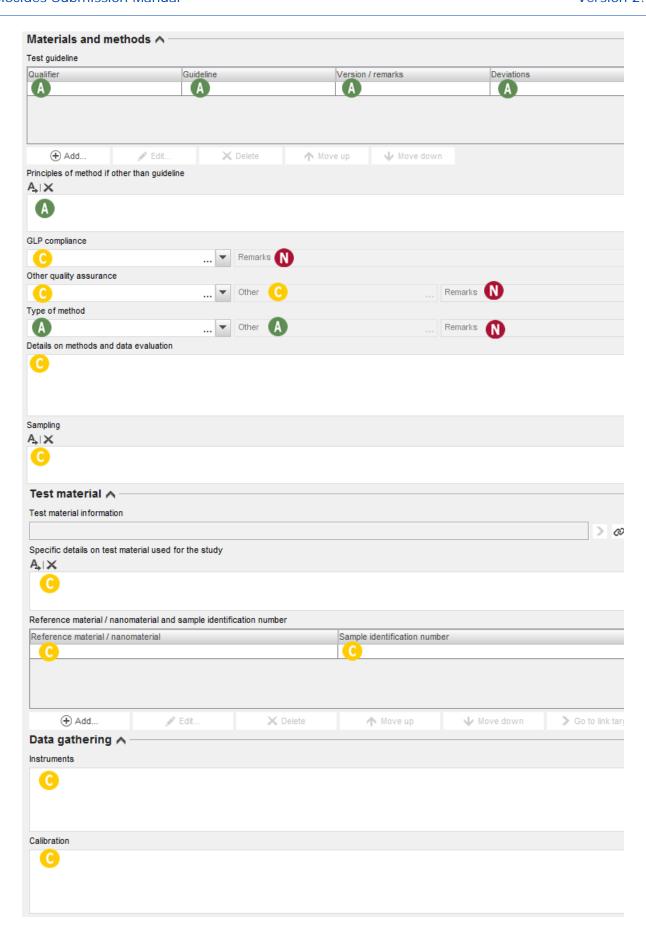


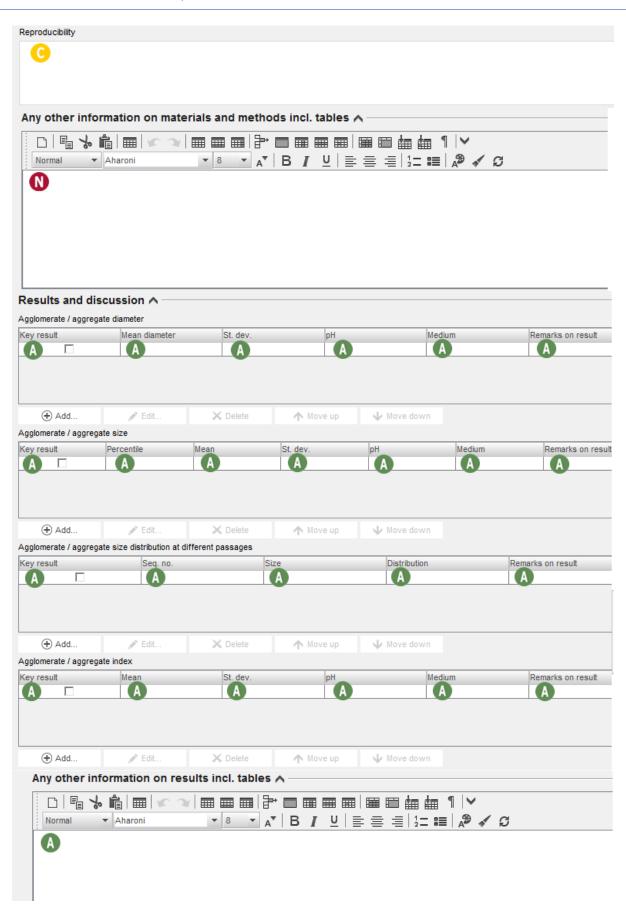
## 3.18 Additional physico-chemical properties of nanomaterials

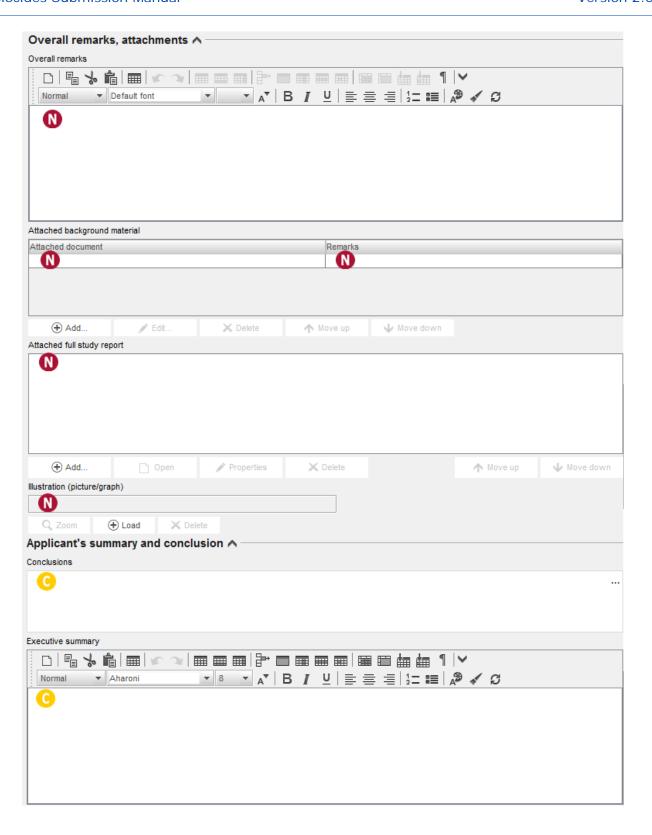
## 3.18.1 Nanomaterial agglomeration / aggregation



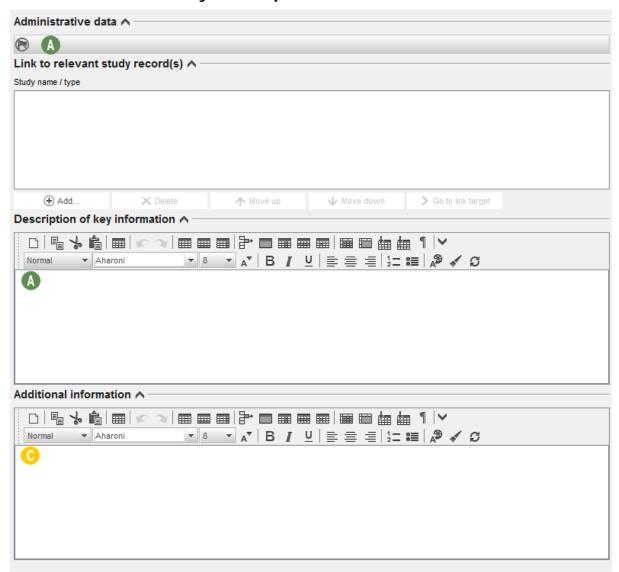


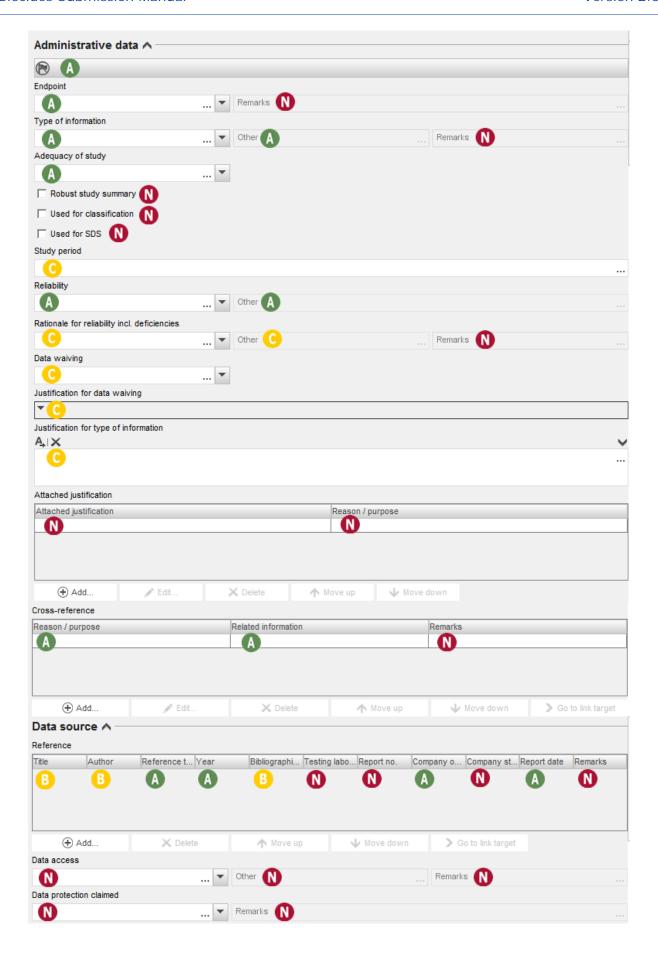


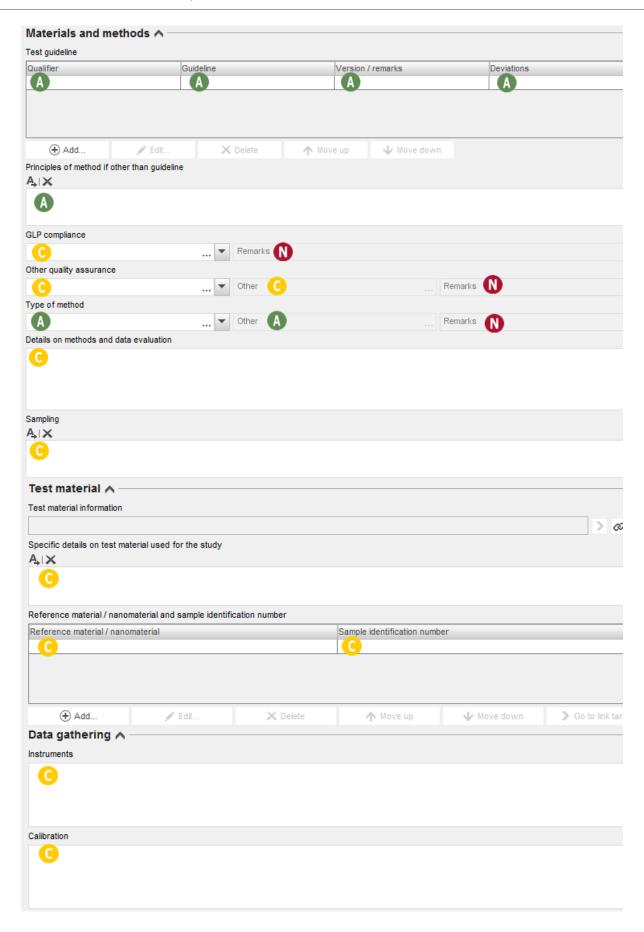


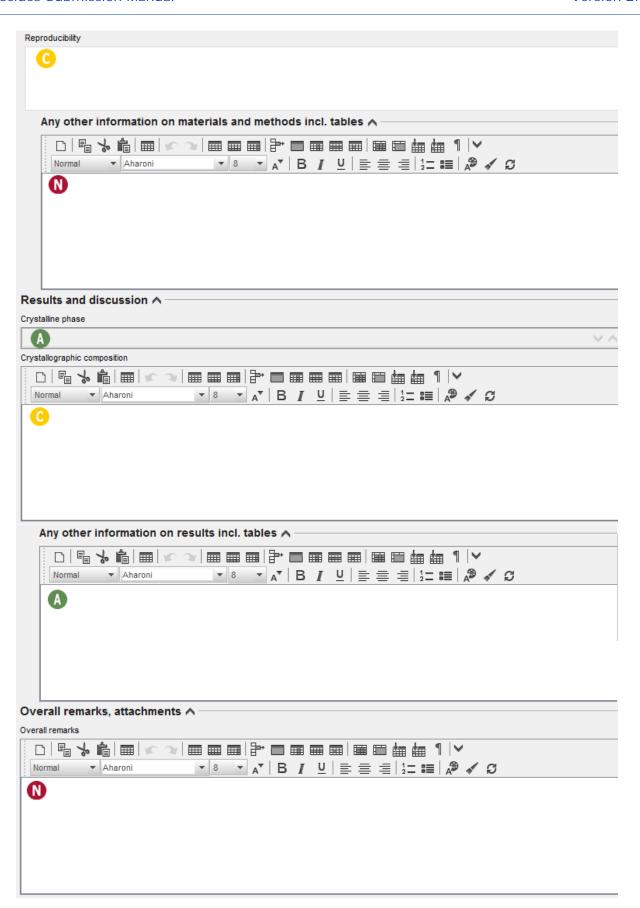


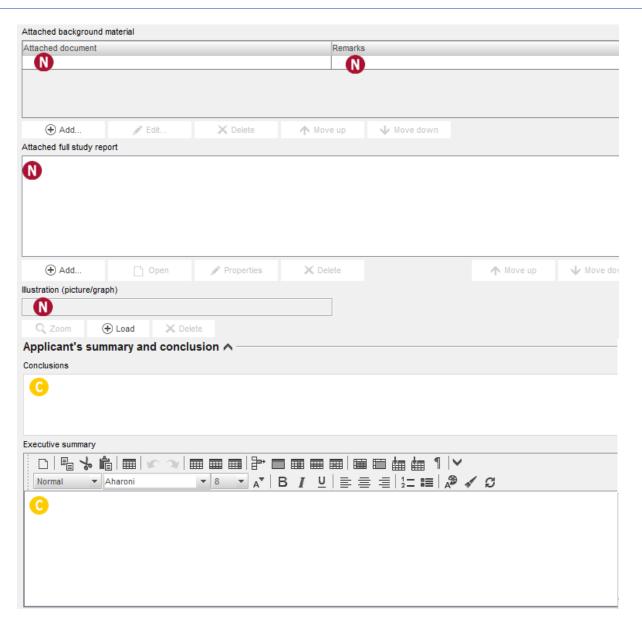
#### 3.18.2 Nanomaterial crystalline phase



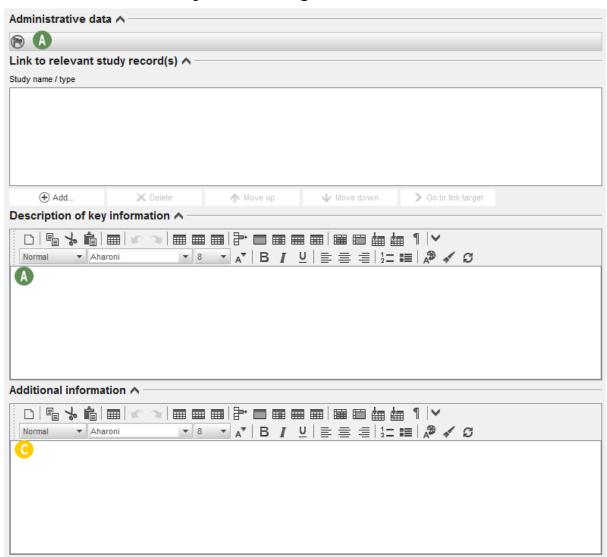


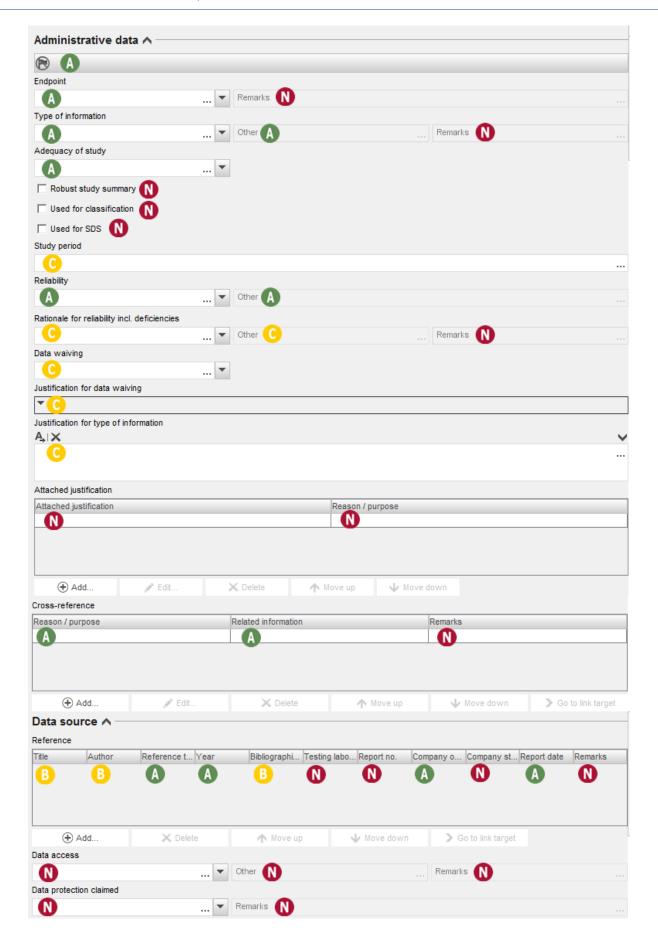


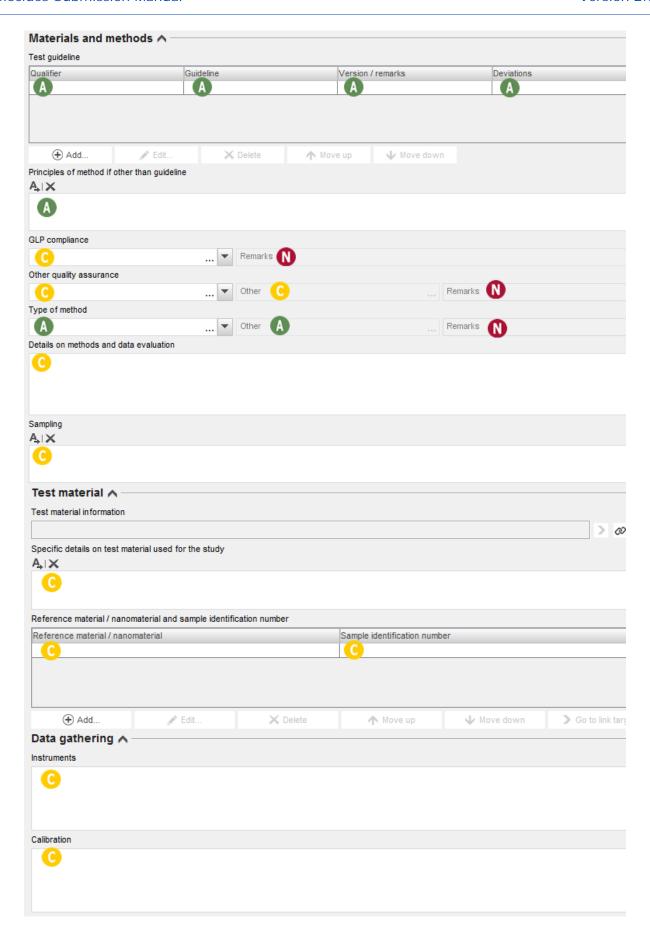


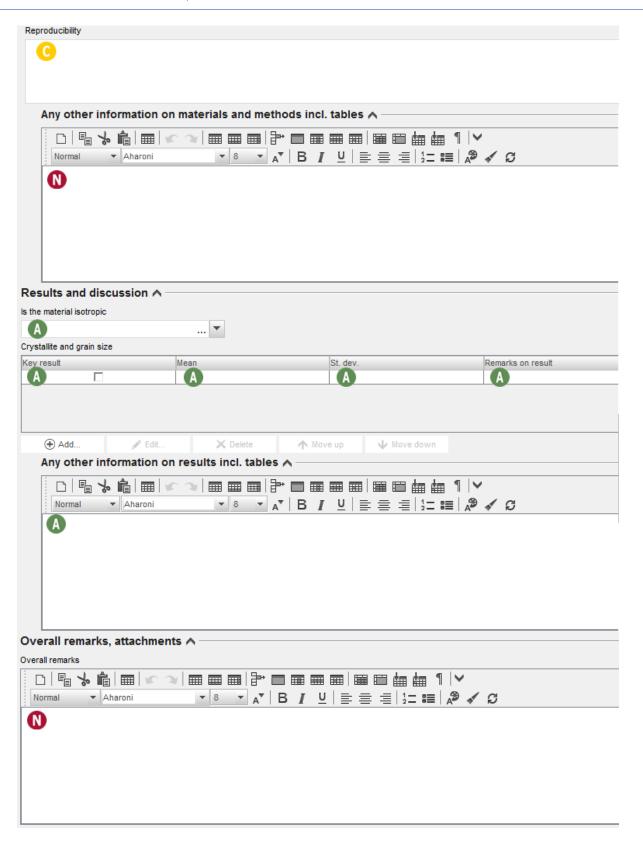


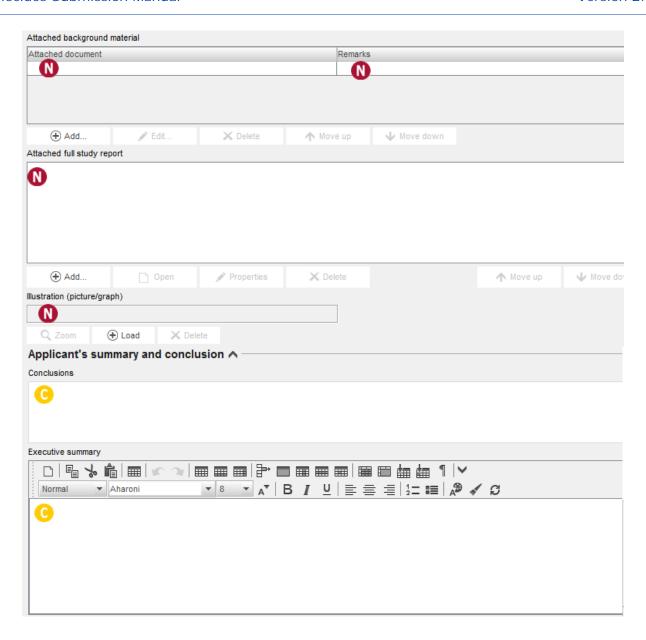
## 3.18.3 Nanomaterial crystallite and grain size



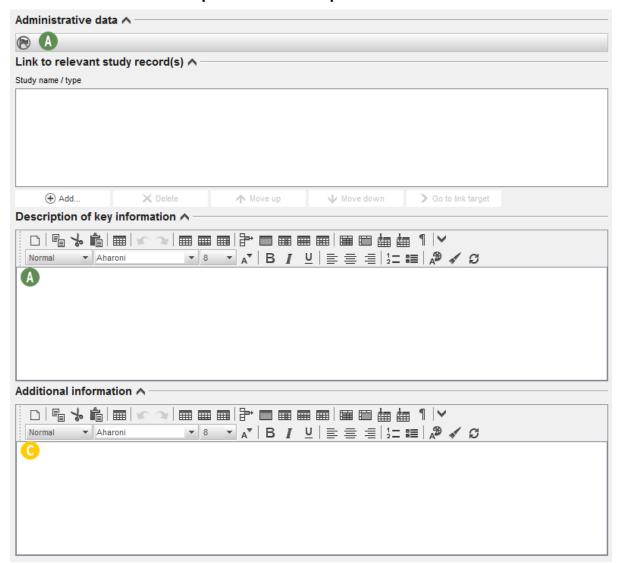


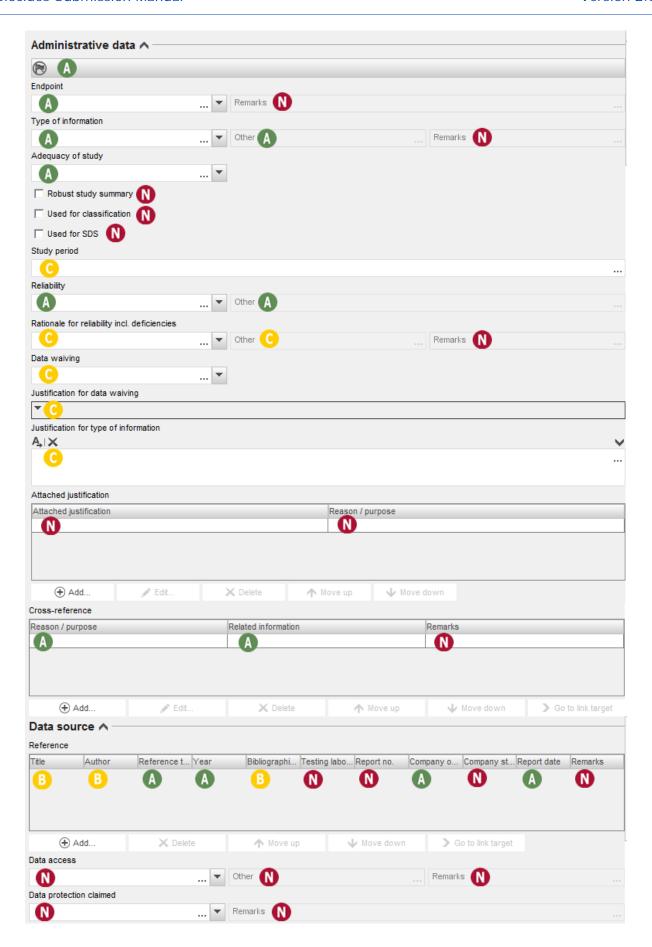


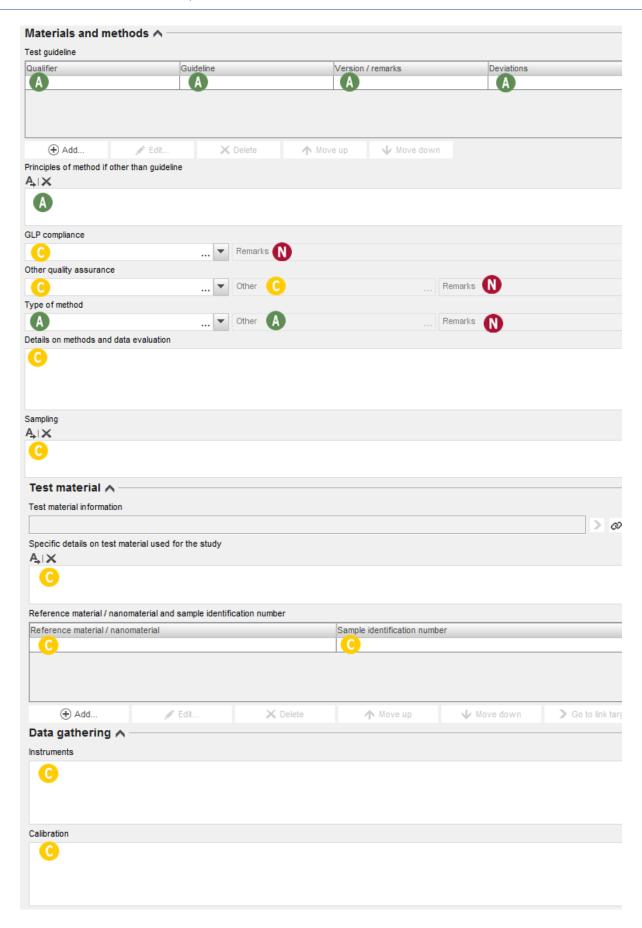


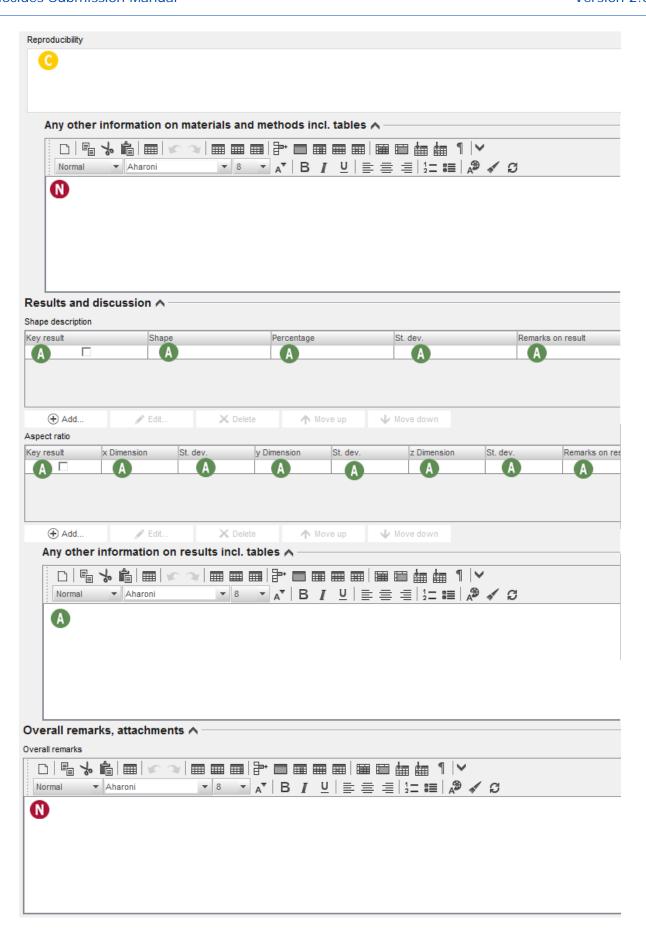


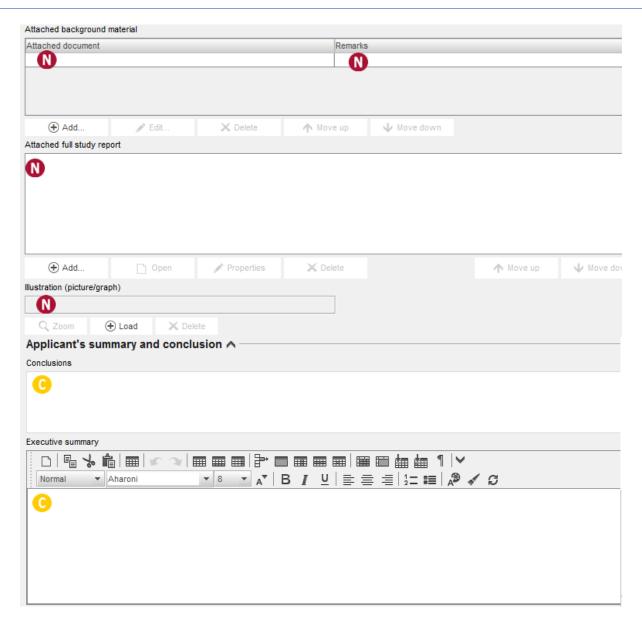
## 3.18.4 Nanomaterial aspect ratio / shape



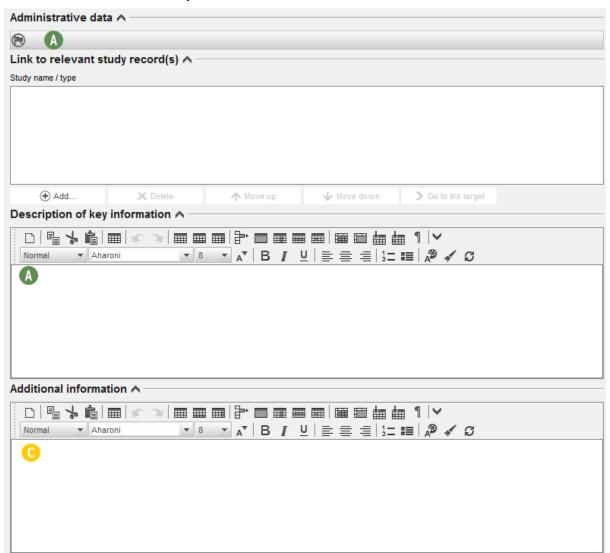


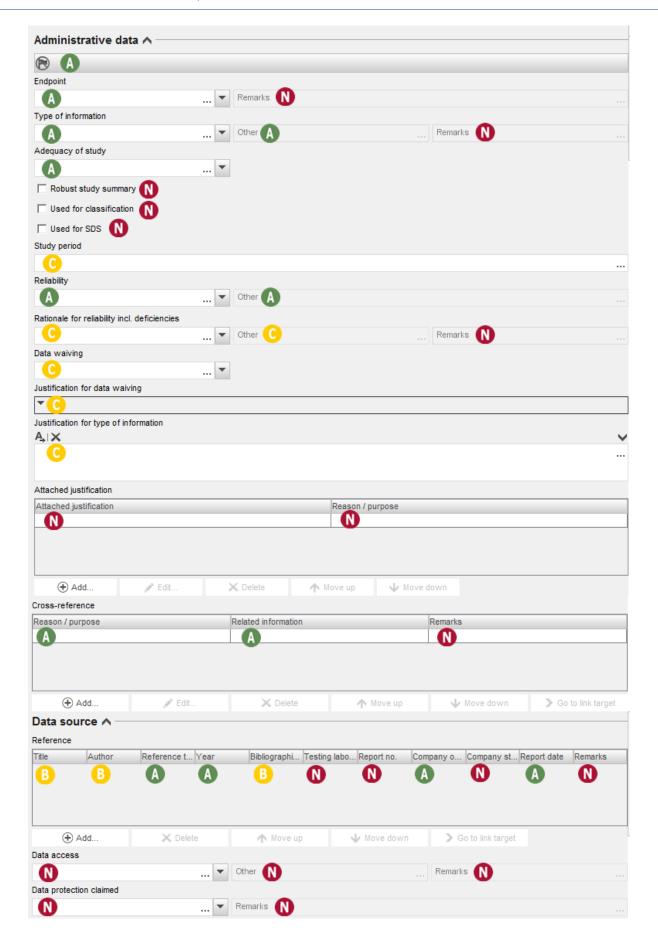


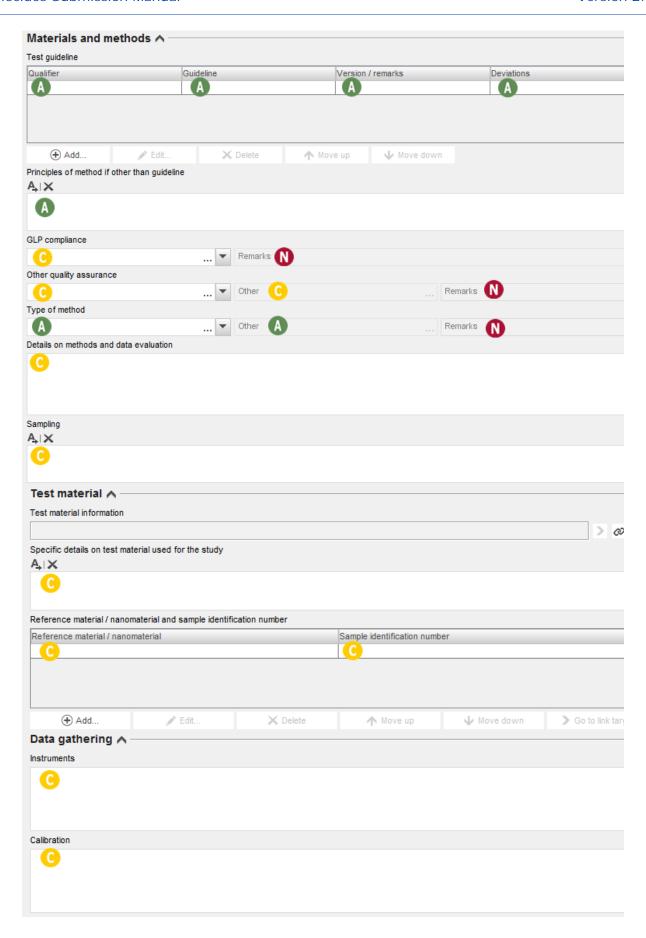


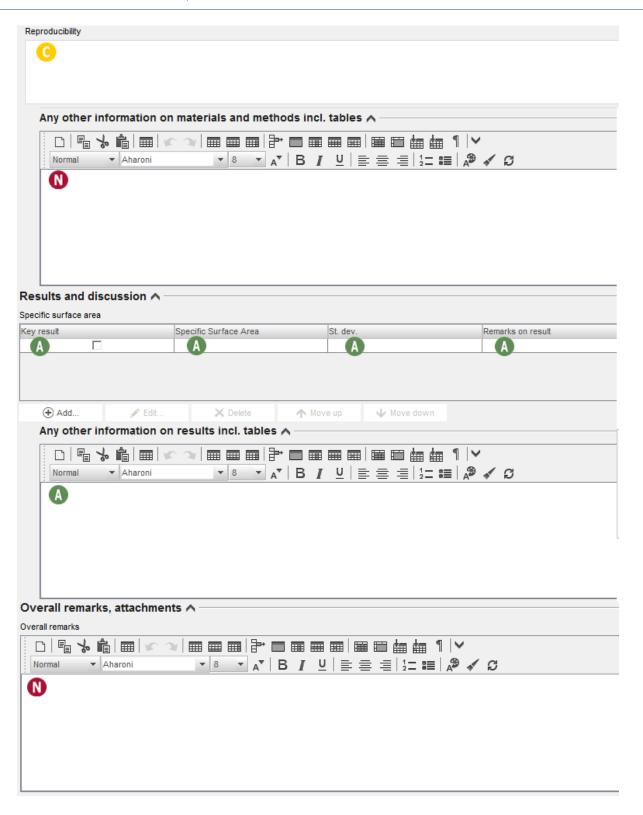


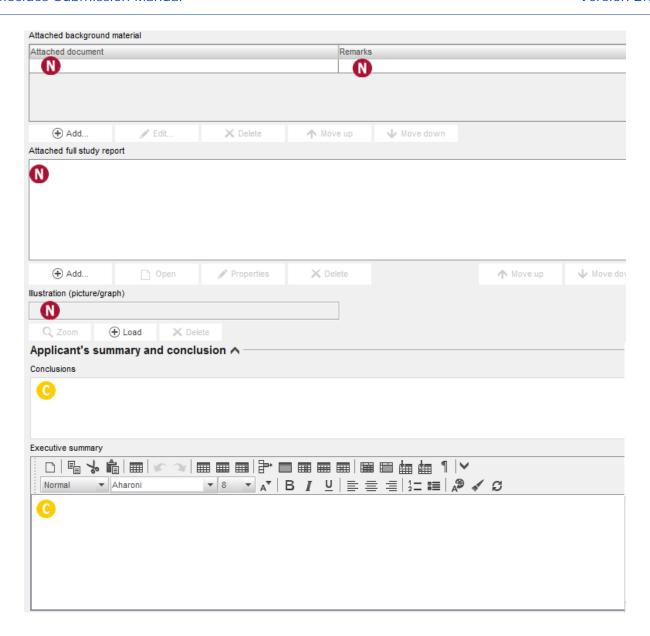
## 3.18.5 Nanomaterial specific surface area



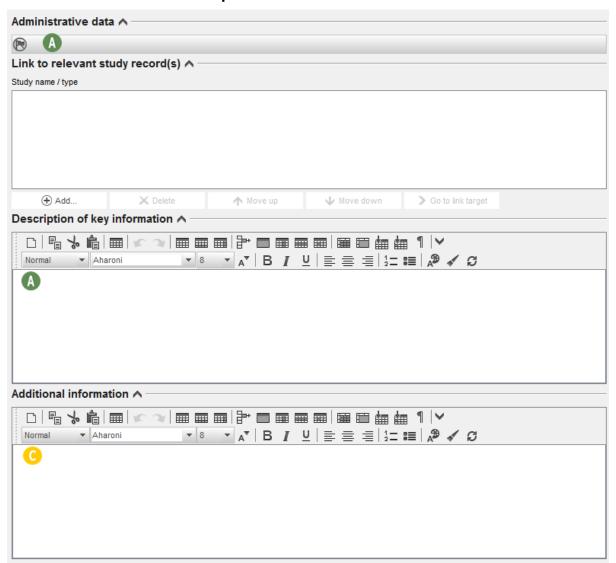


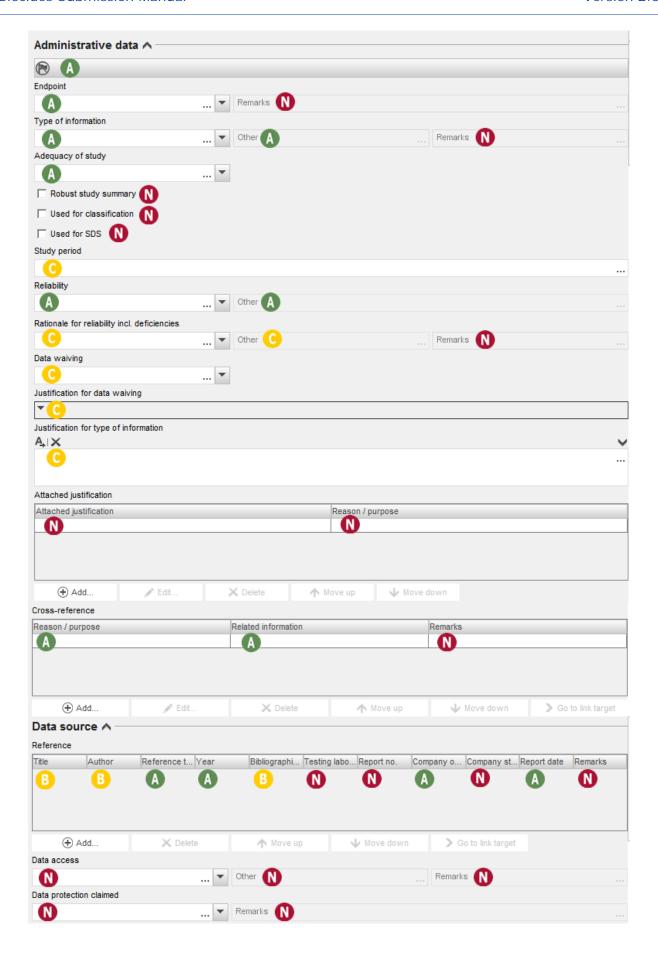


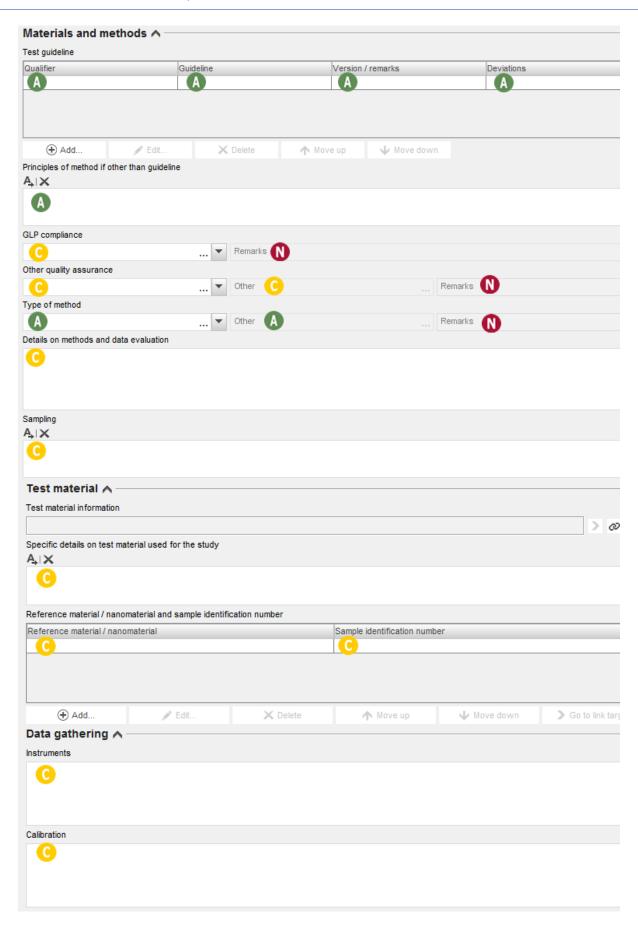


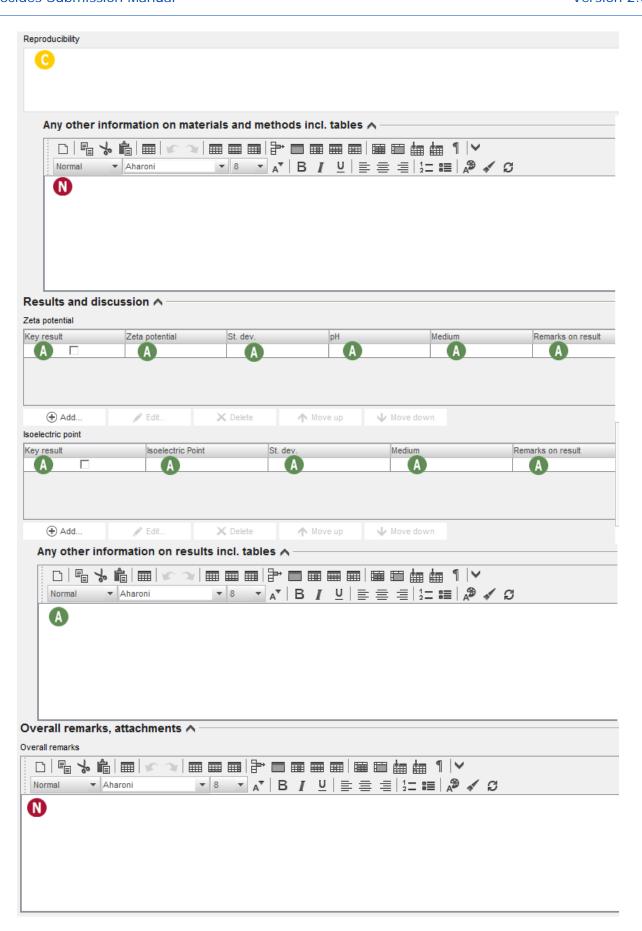


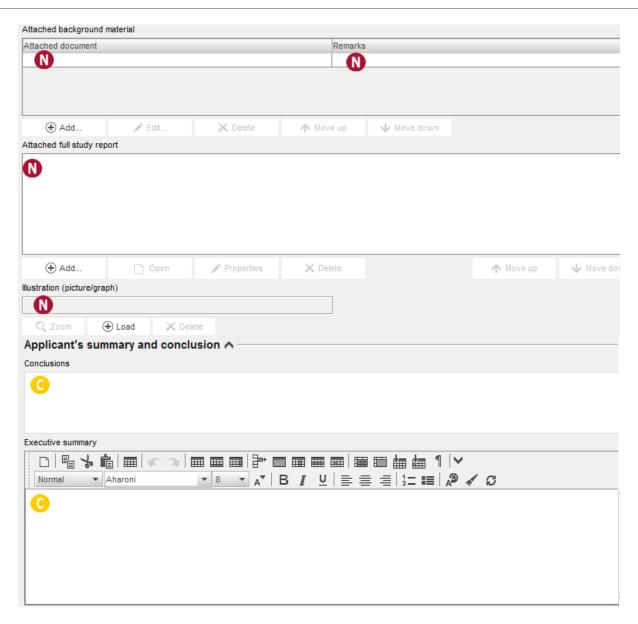
## 3.18.6 Nanomaterial Zeta potential



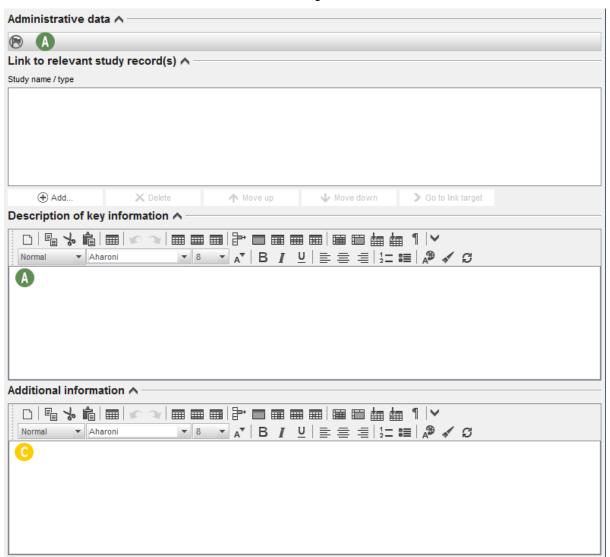


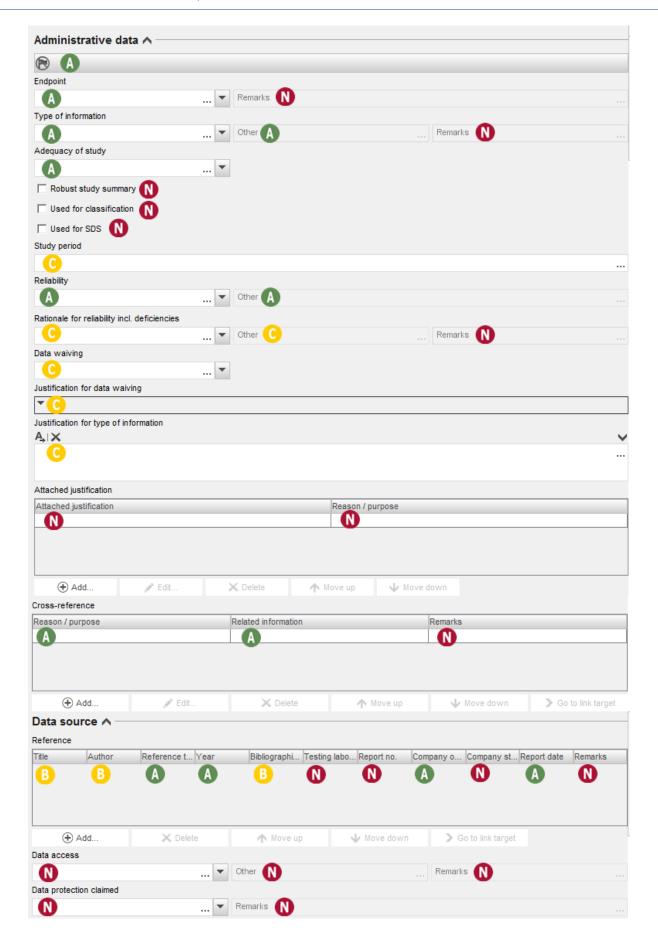


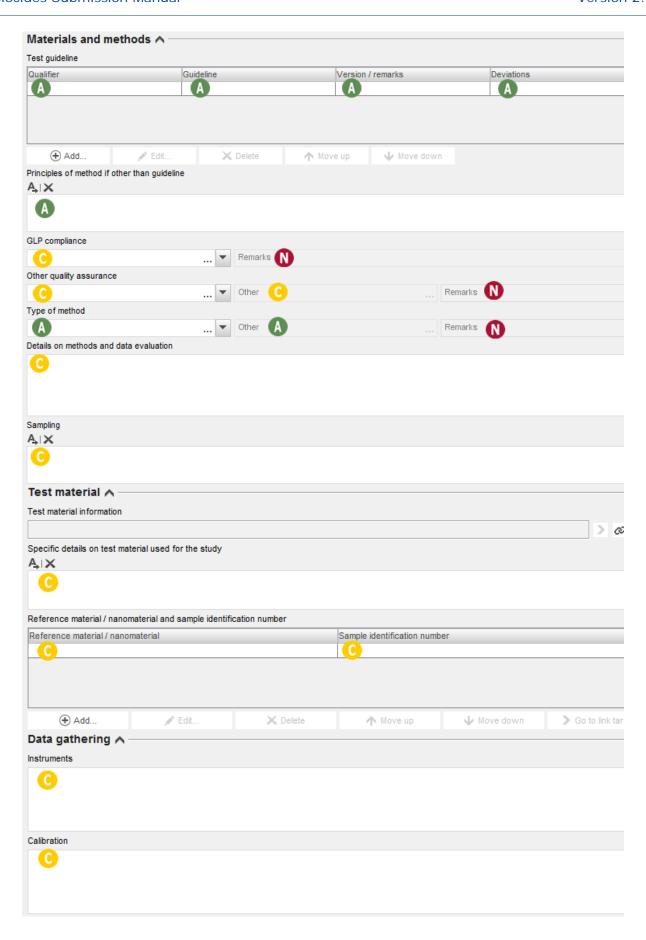


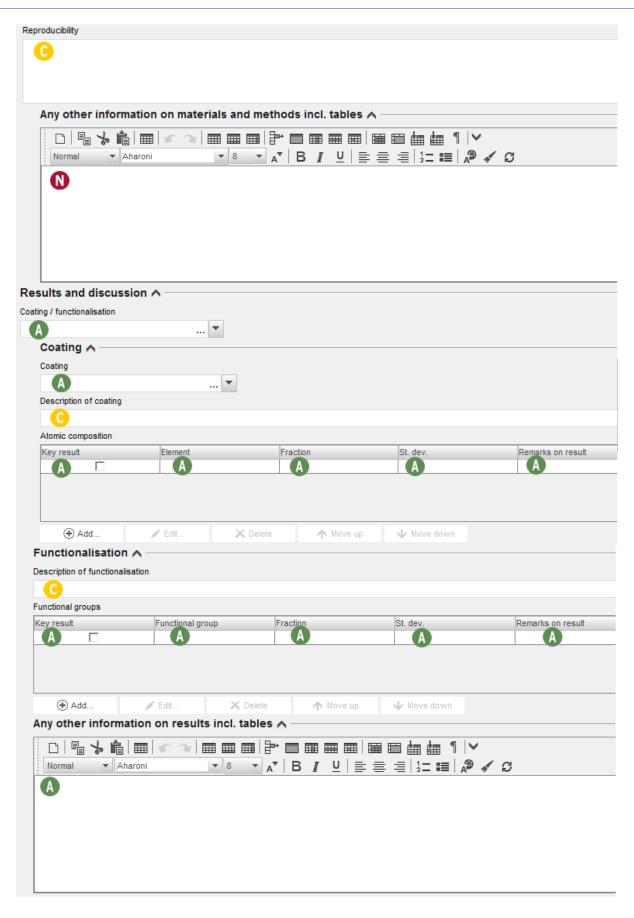


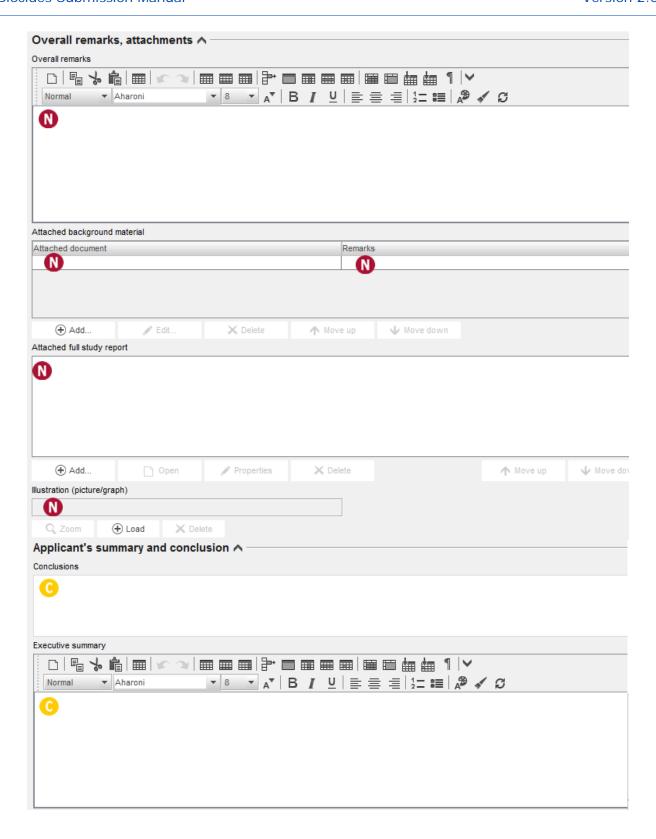
#### 3.18.7 Nanomaterial surface chemistry



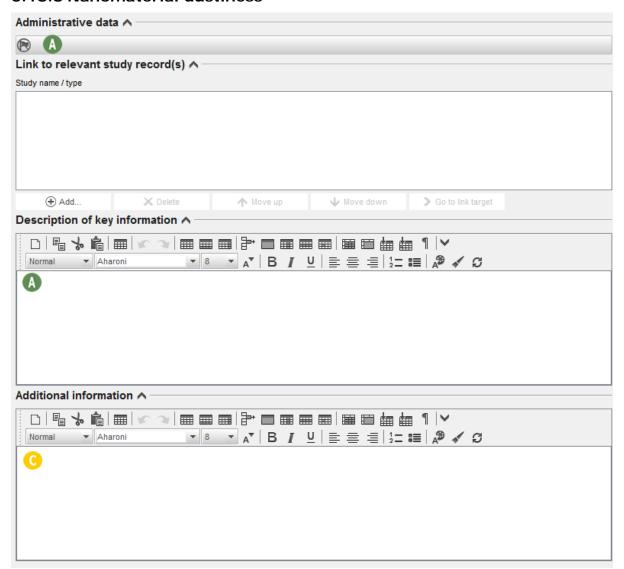


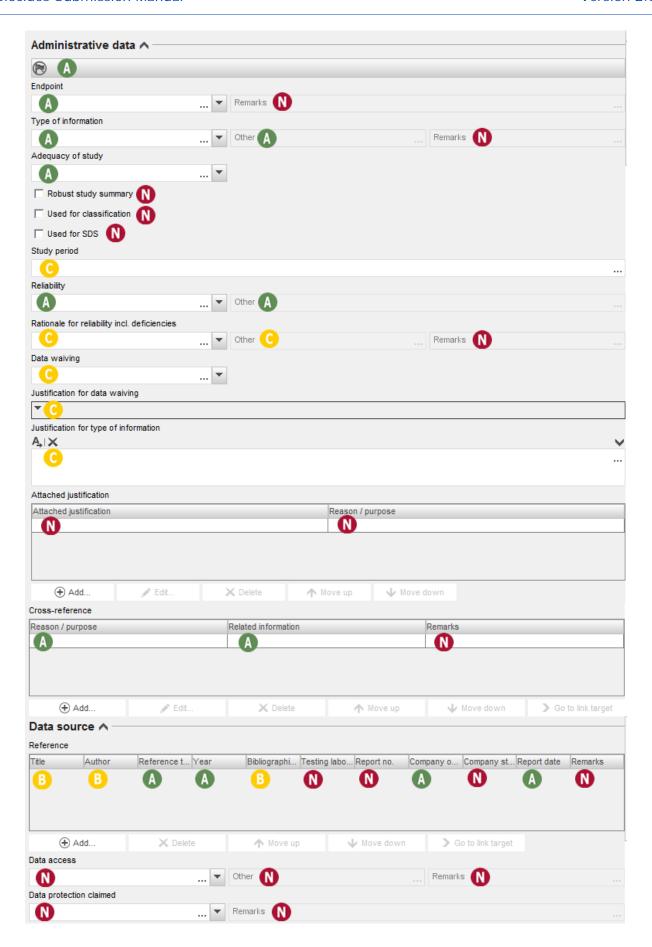


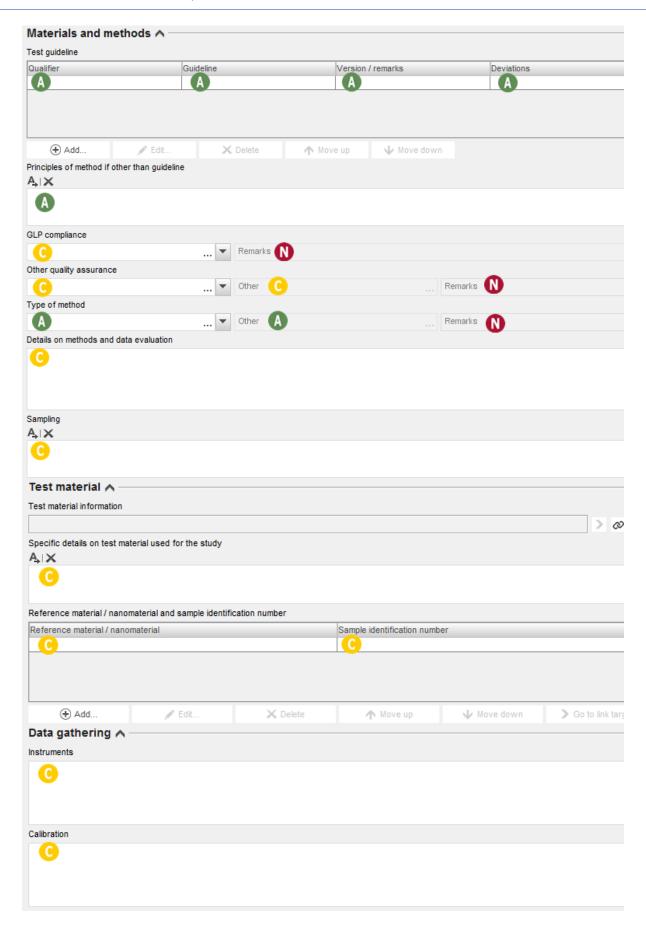


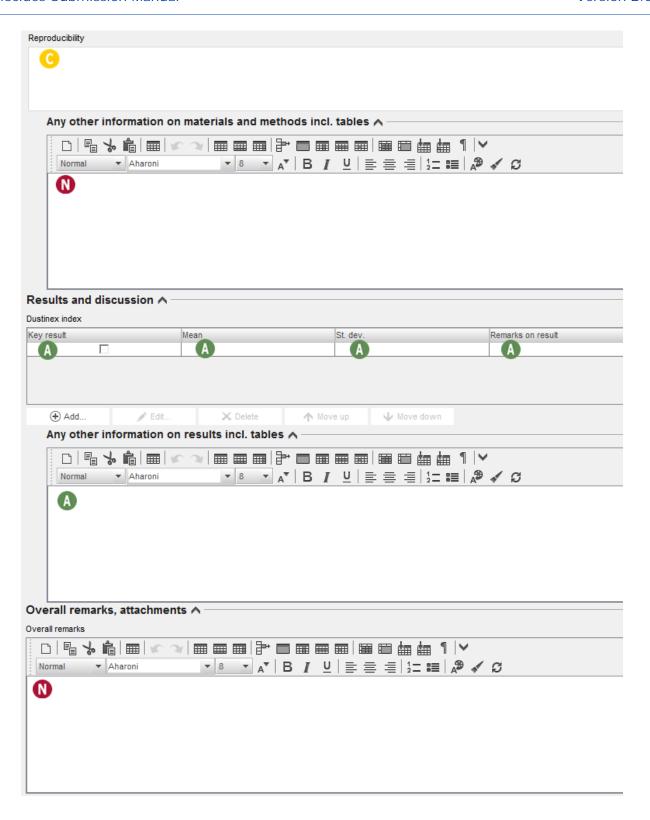


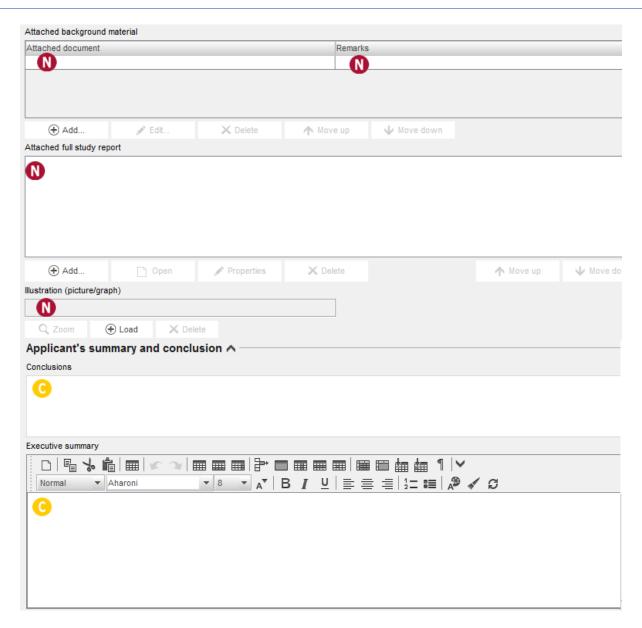
#### 3.18.8 Nanomaterial dustiness



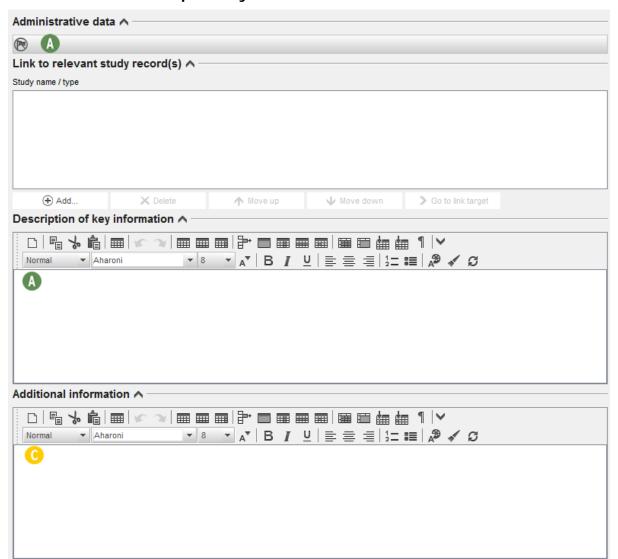


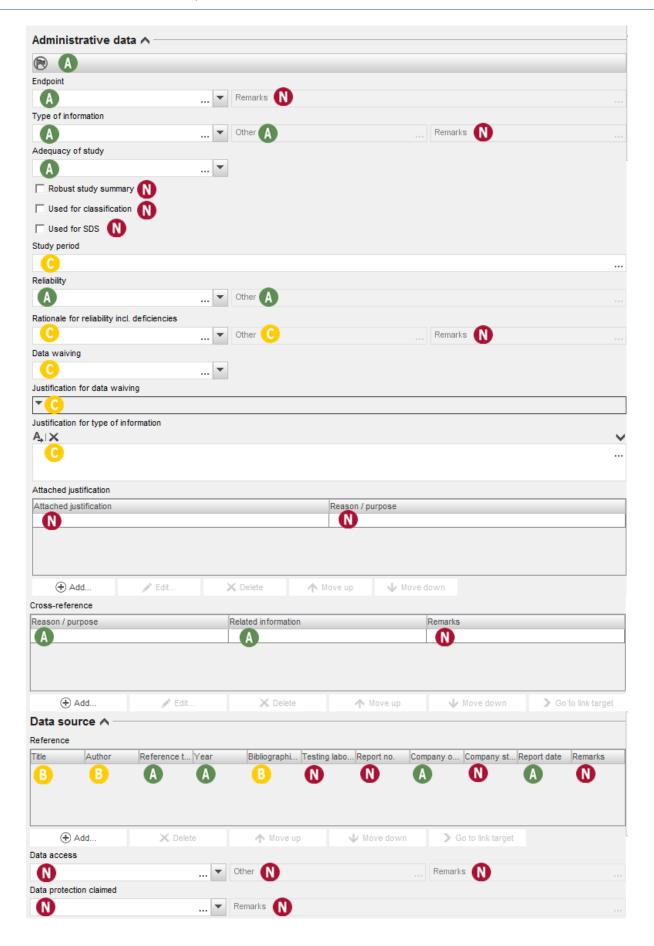


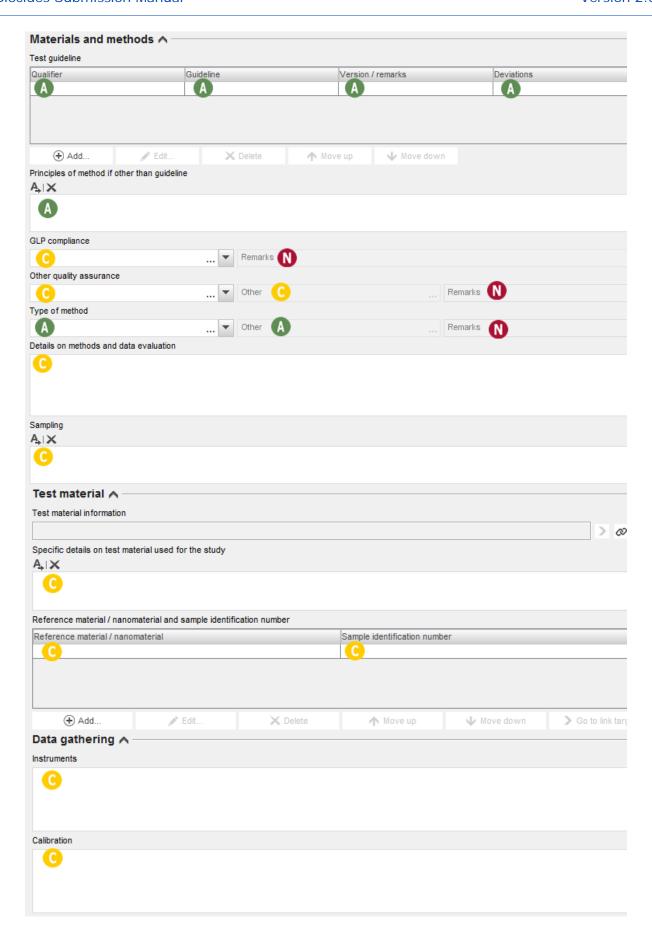


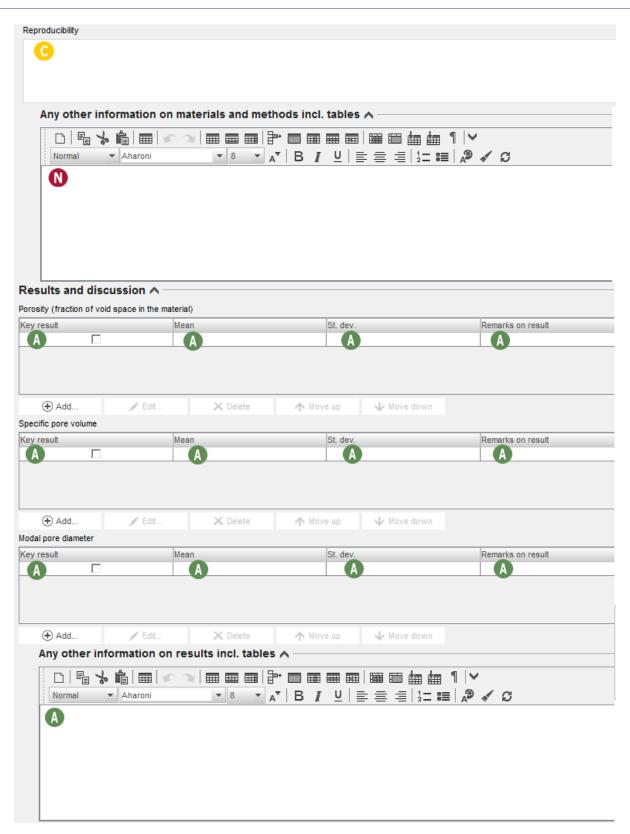


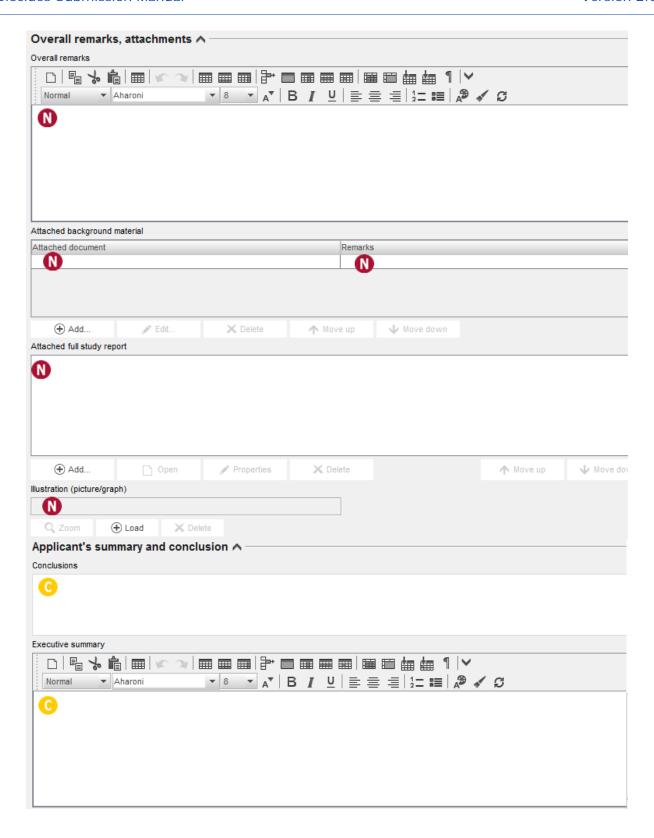
# 3.18.9 Nanomaterial porosity



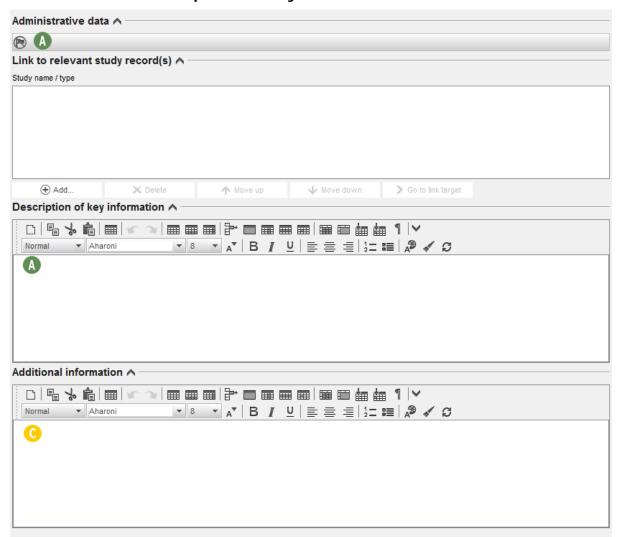


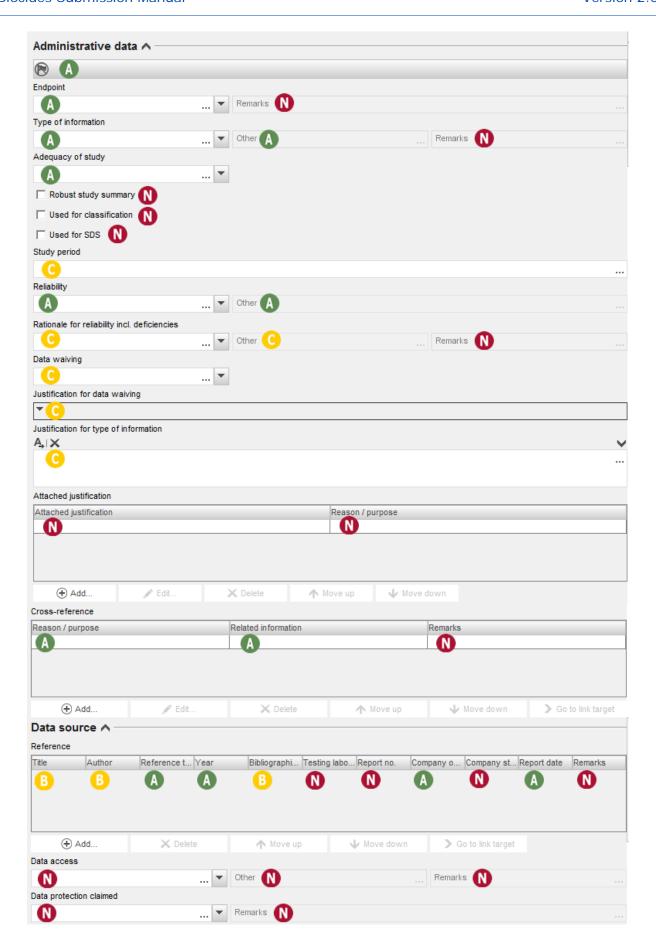


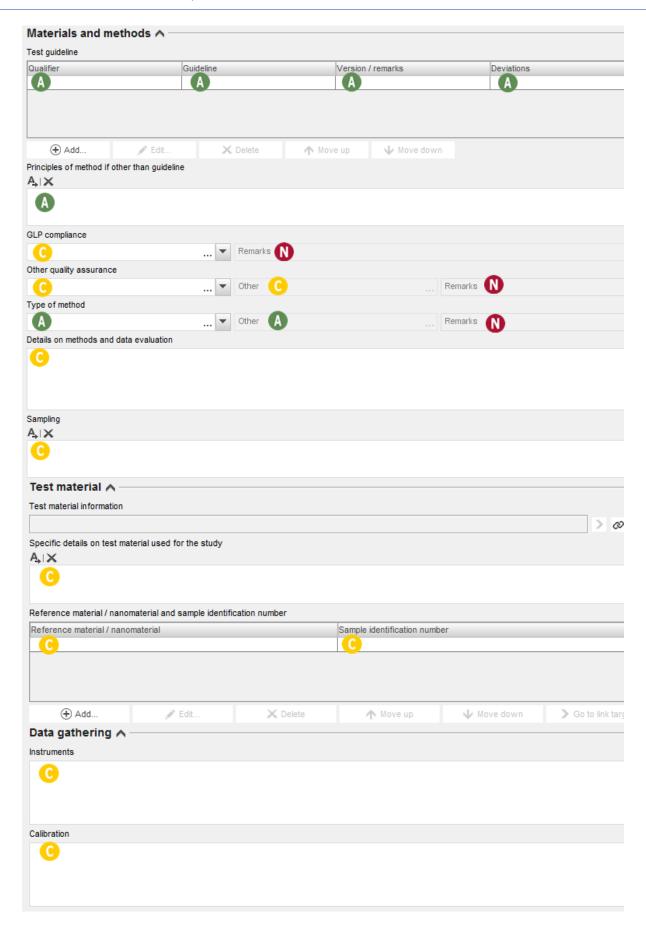


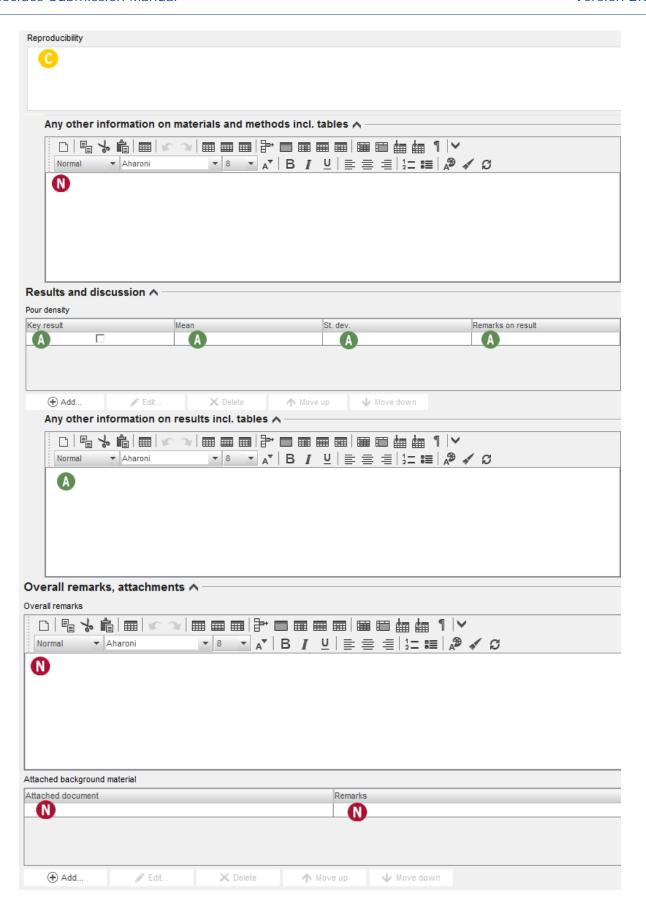


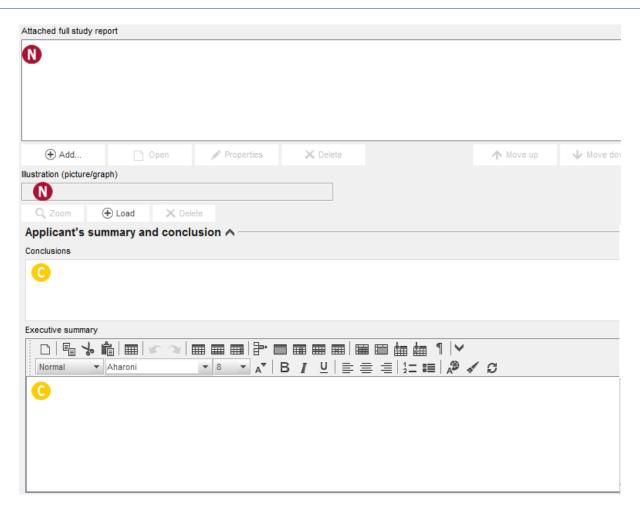
# 3.18.10 Nanomaterial pour density



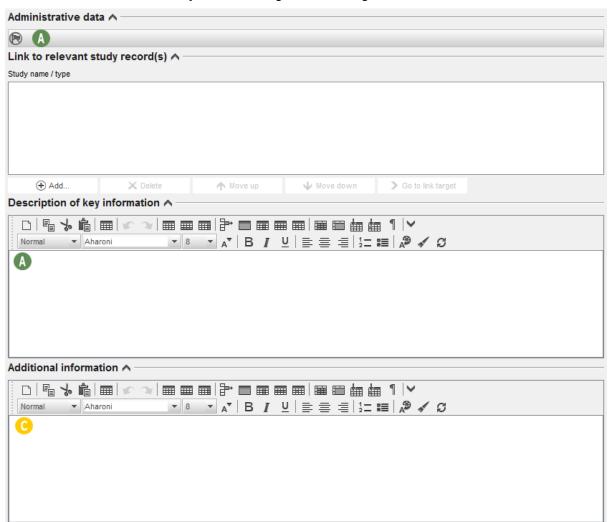


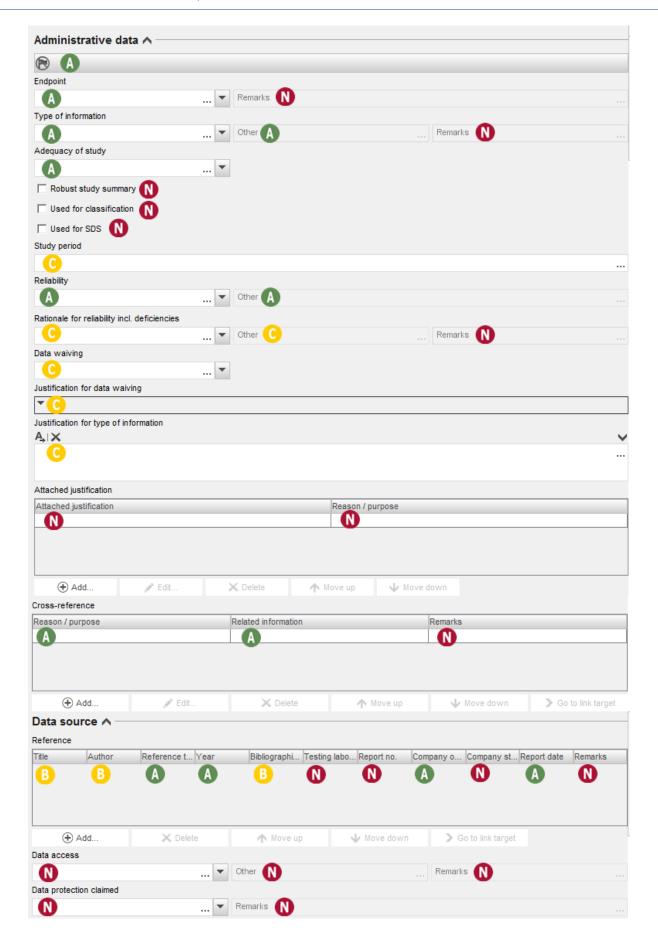


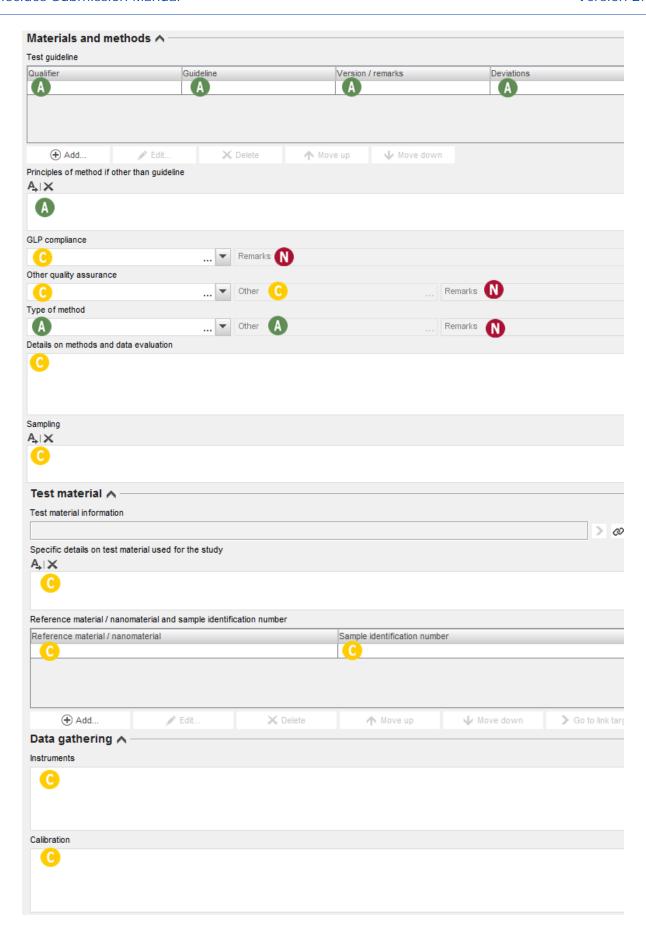


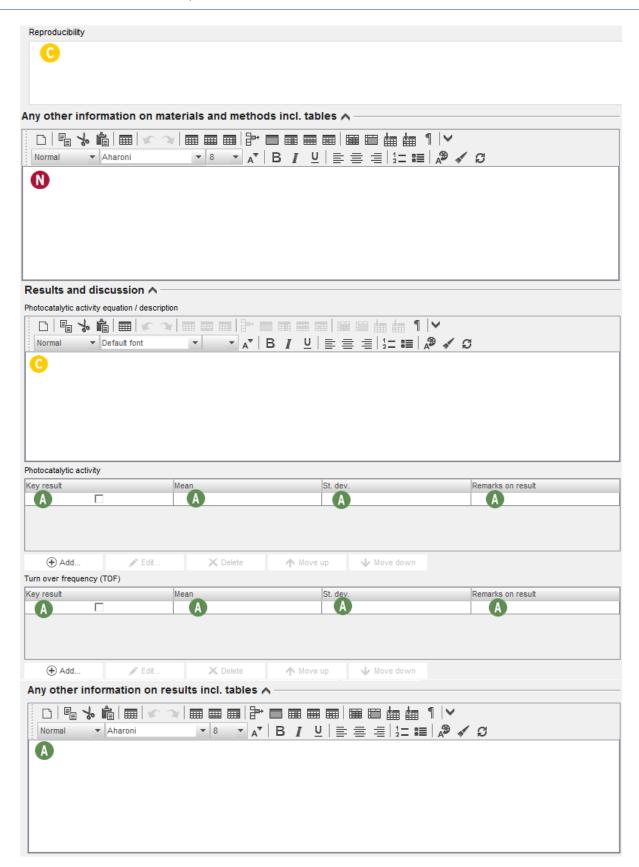


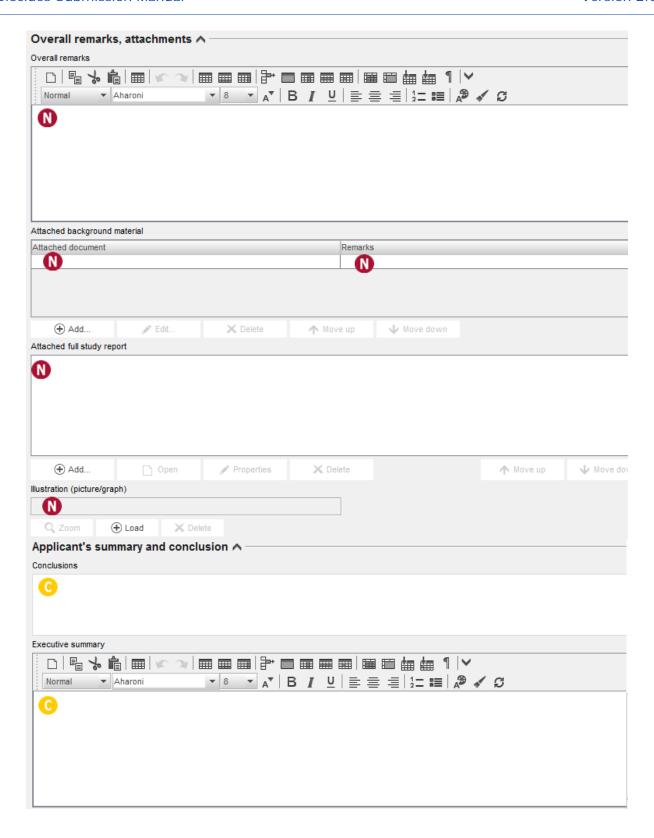
# 3.18.11 Nanomaterial photocatalytic activity



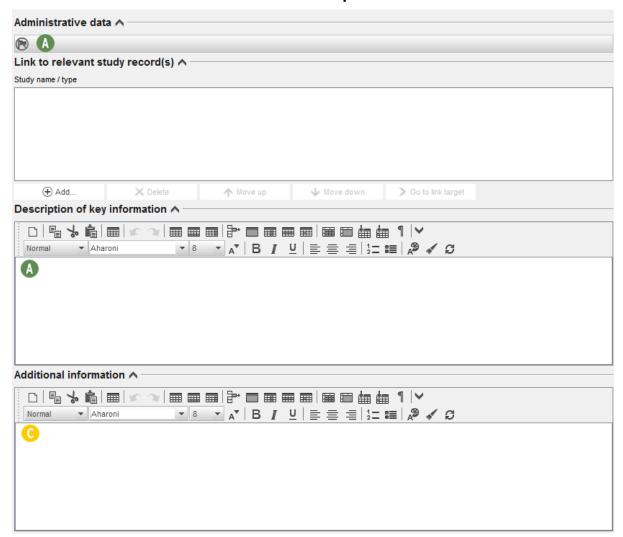


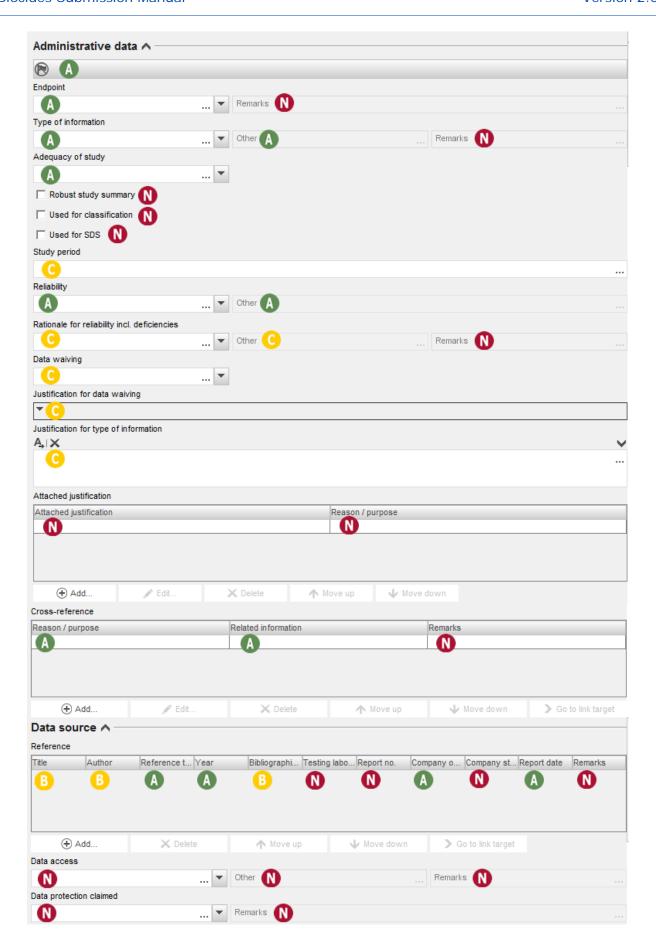


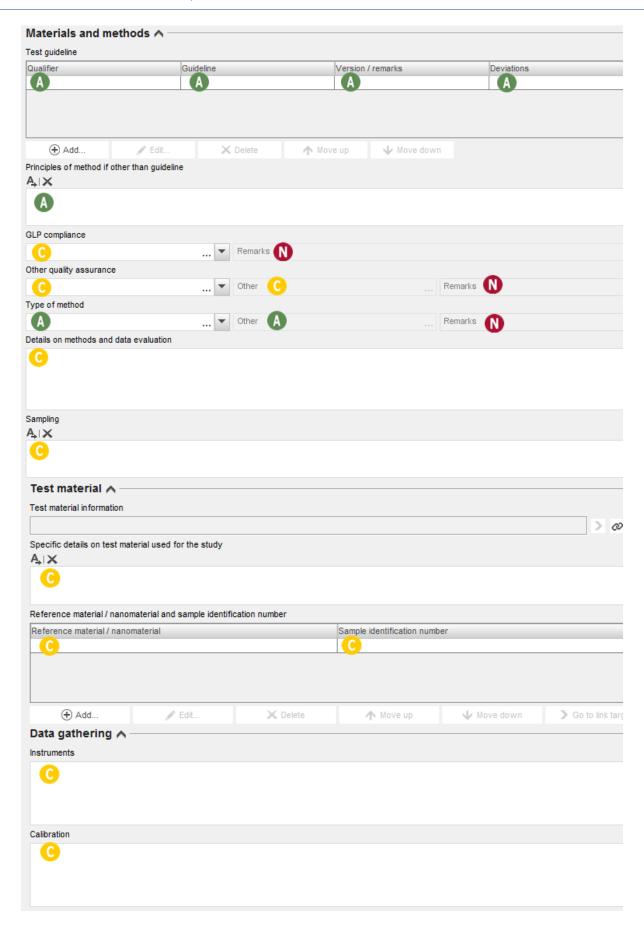


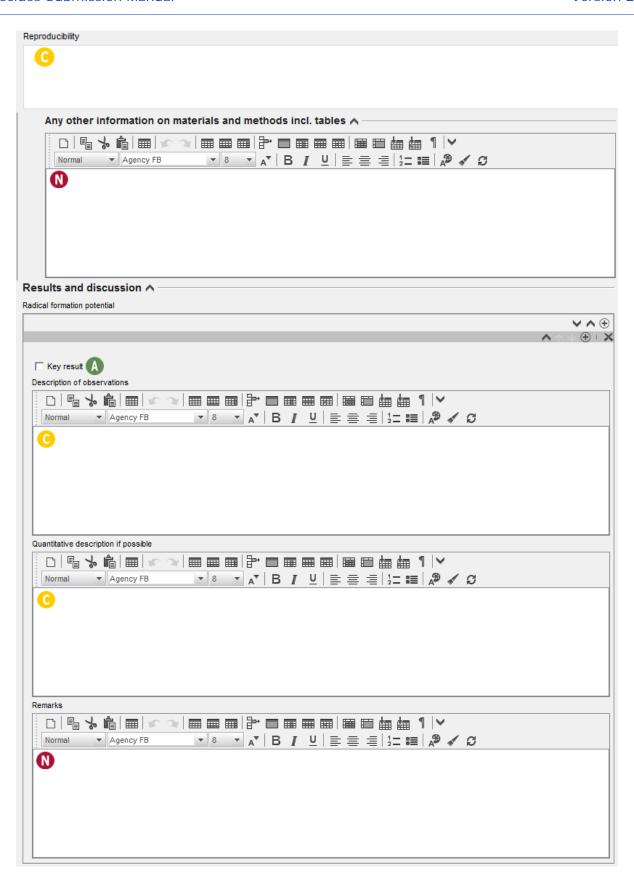


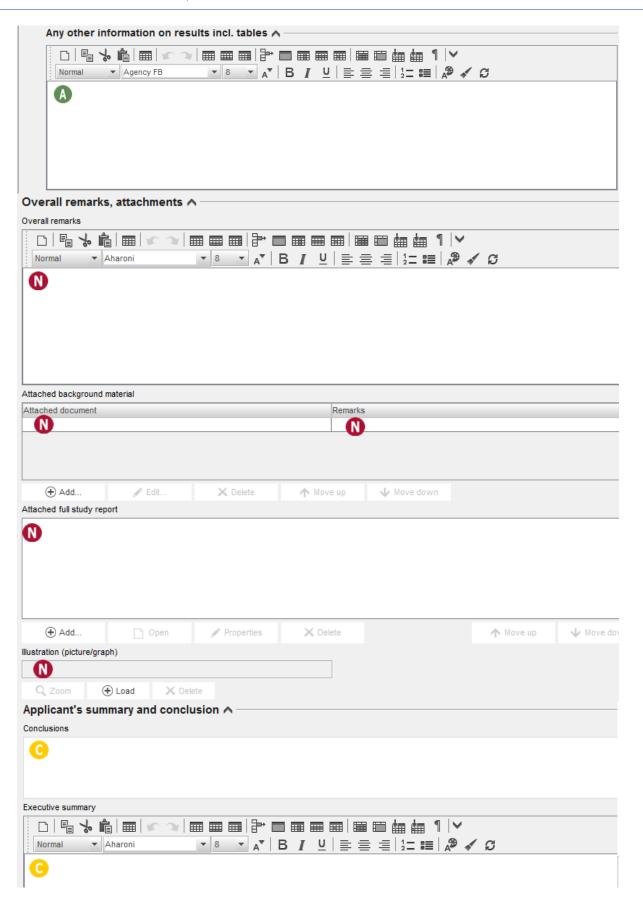
#### 3.18.12 Nanomaterial radical formation potential



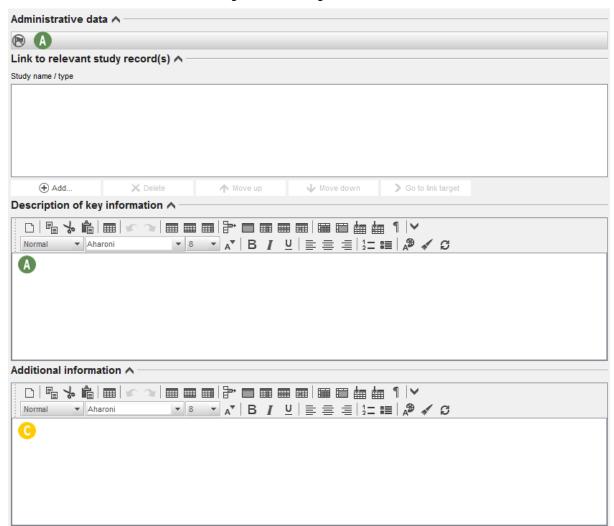


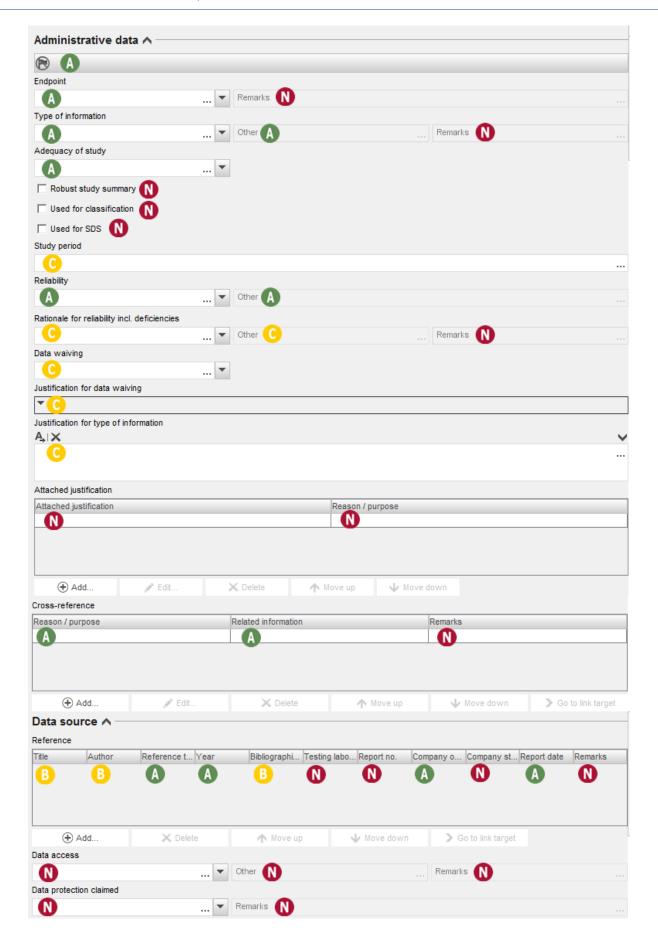


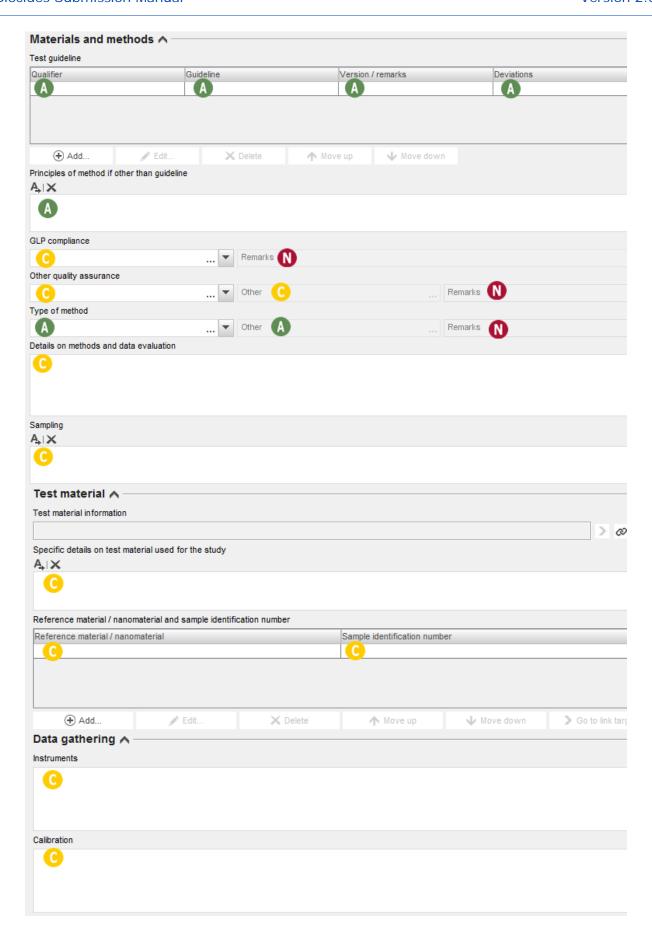


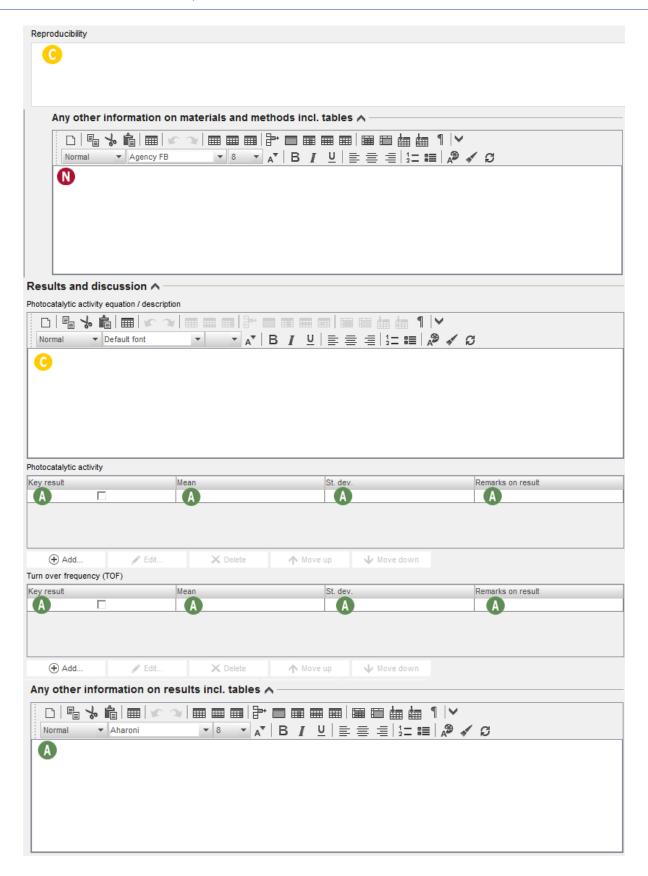


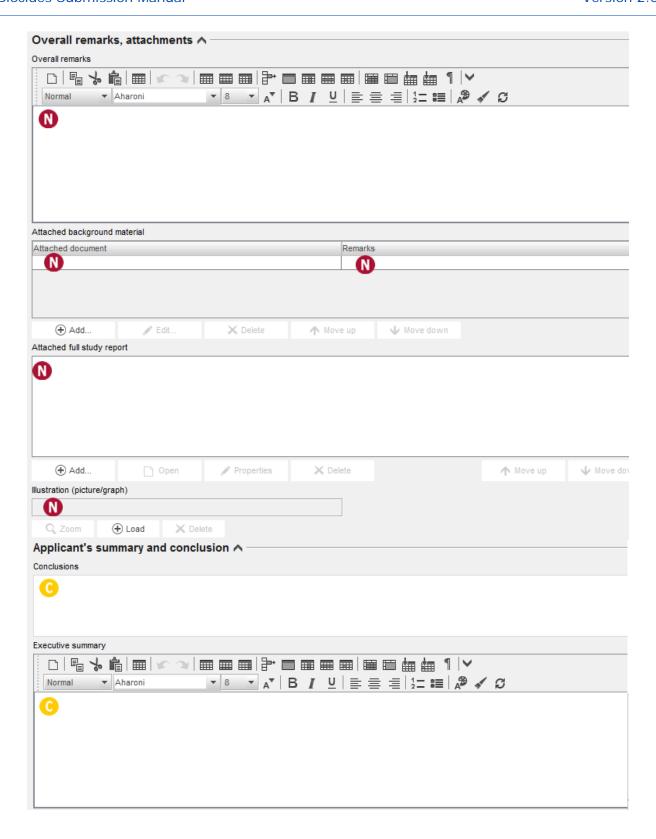
# 3.18.13 Nanomaterial catalytic activity







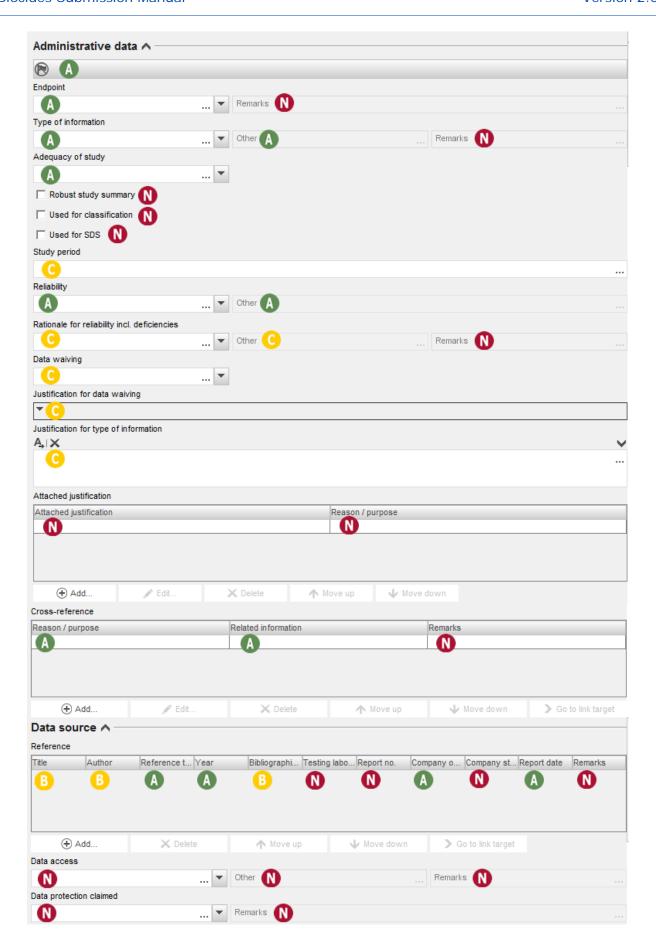


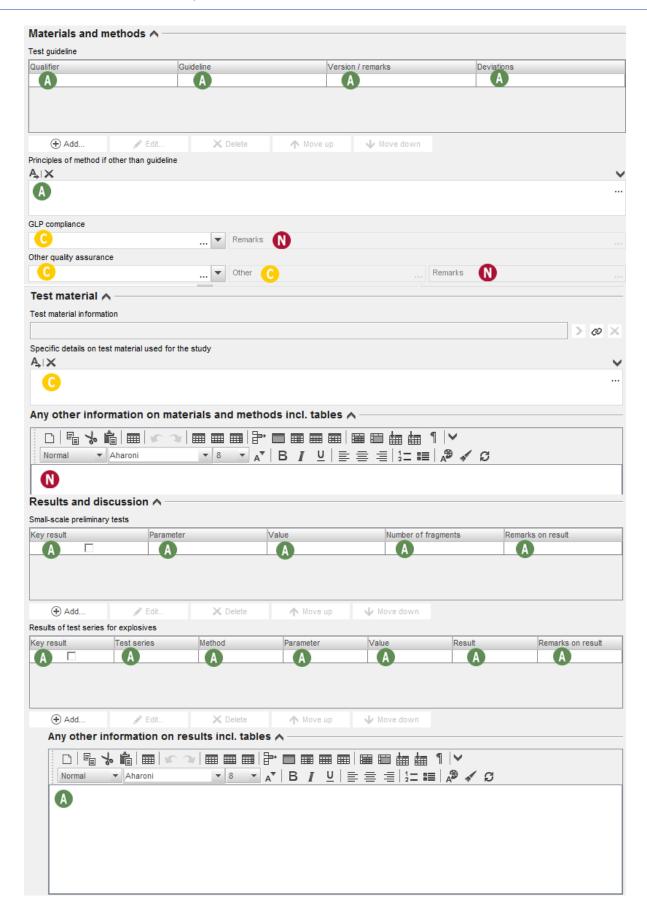


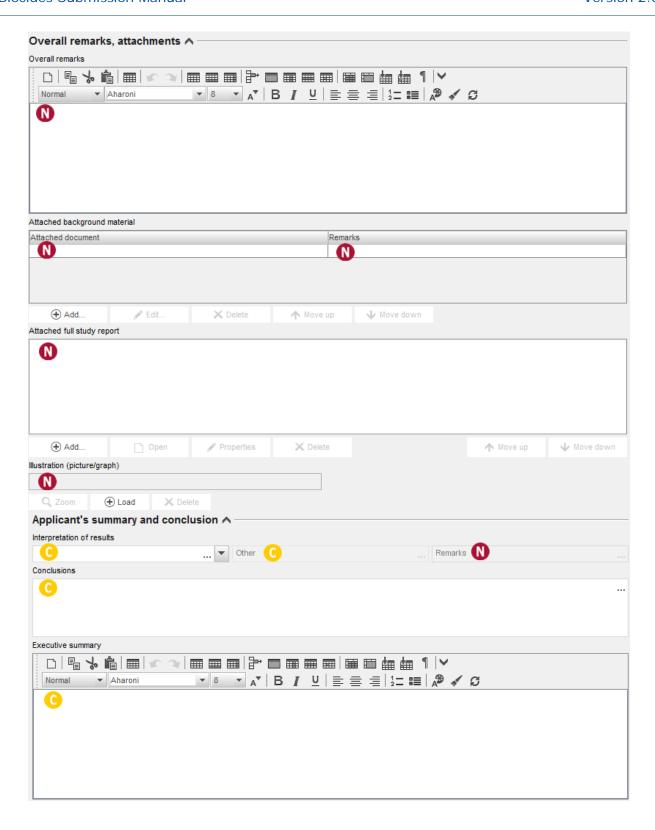
## 4. Physical hazards and respective characteristics

### 4.1 Explosives (also in Biocidal Product)

Administrative data ^  $\bigcirc$  A Link to relevant study record(s) ^ Study name / type + Add... ↑ Move up Description of key information ^ Normal ▼ Aharoni - 8 - A B I U = = = 12= = A A C A Key value for chemical safety assessment ∧ Explosiveness A ... 🔻 Additional information ^ Normal ▼ Aharoni - 8 - A B I U = = = 12 = A A A B C Justification for classification or non-classification ^ Normal ▼ Aharoni - 8 - A B I U = = = 12= = A A G A

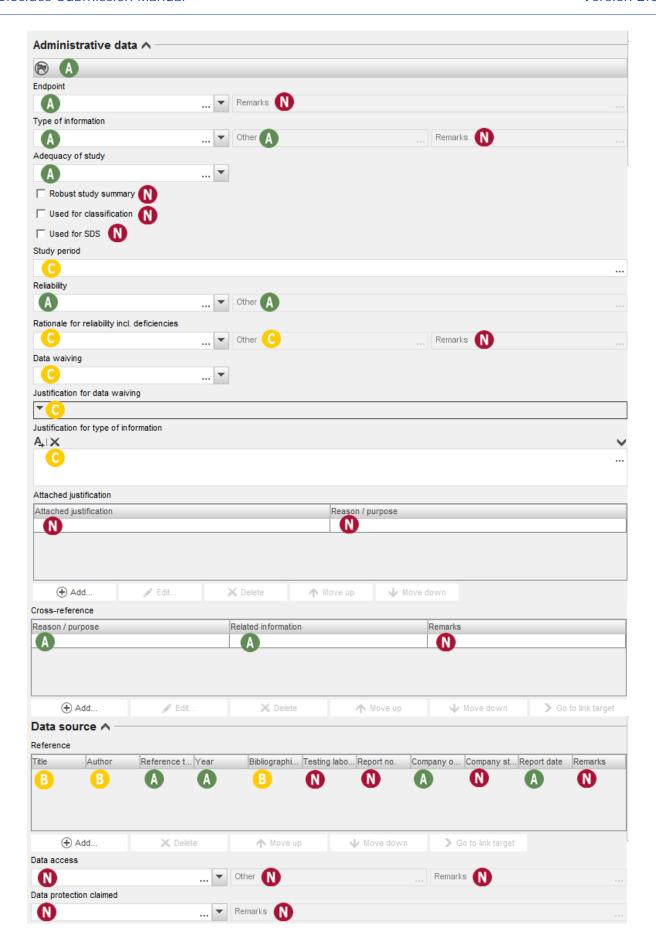


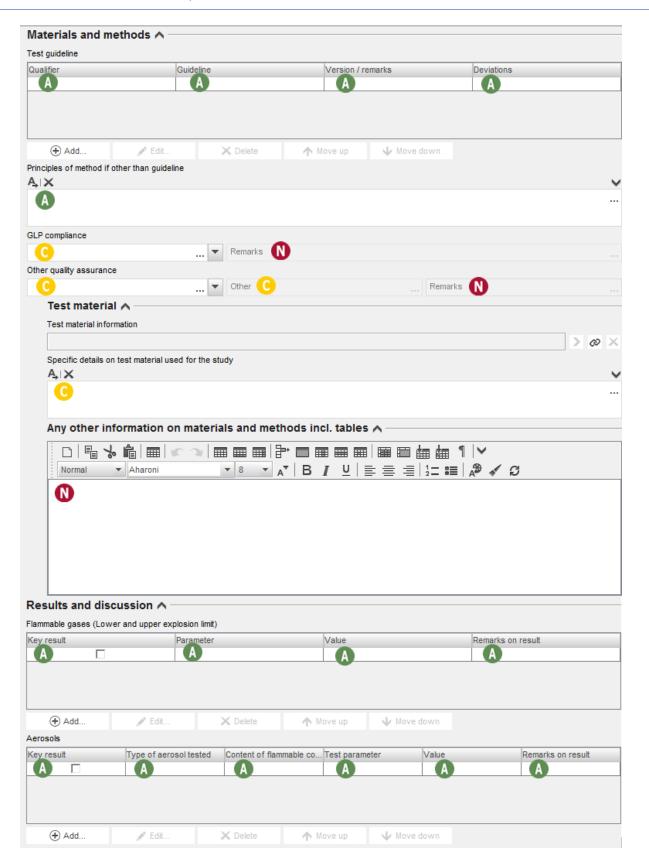


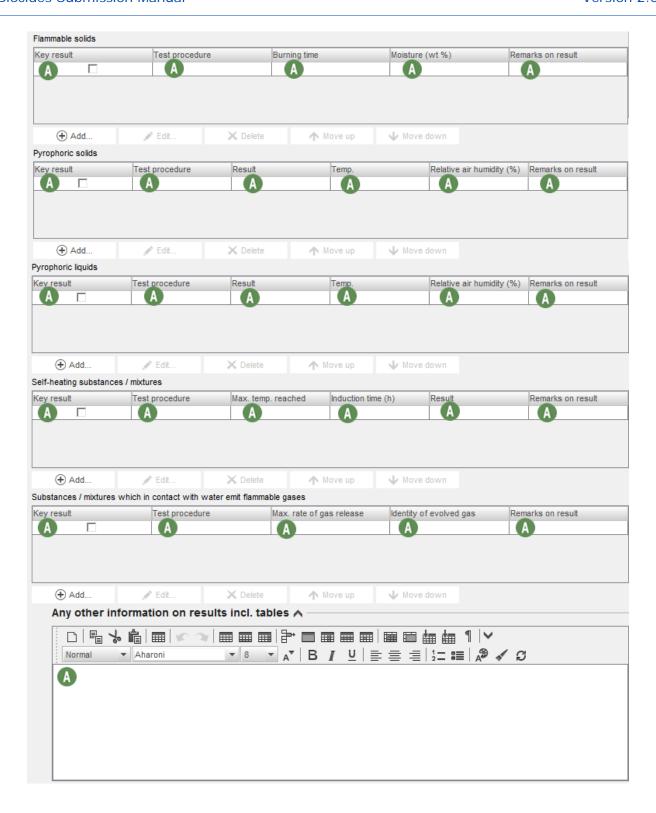


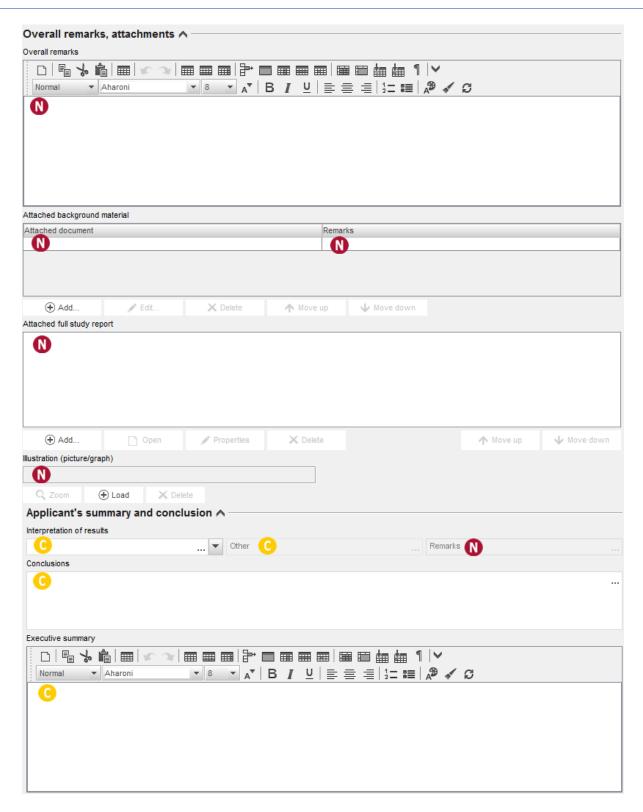
#### 4.2 Flammability (also in Biocidal Product)

NB: Biocidal Product  $\bigcirc$   $\longrightarrow$   $\bigcirc$ Administrative data ^ (P) (A) Link to relevant study record(s) ^ Study name / type Add... X Delete ↑ Move up Move down > Go to link target Description of key information ^ Normal ▼ Aharoni A Key value for chemical safety assessment ∧ Flammability A ... 🔻 Additional information ^ Normal ▼ Aharoni - 8 - A B I U = = = 12= = A A ✓ C G Justification for classification or non-classification ^ Normal ▼ Aharoni ▼ 8 ▼ A▼ B I U = = = 12= = A A S A



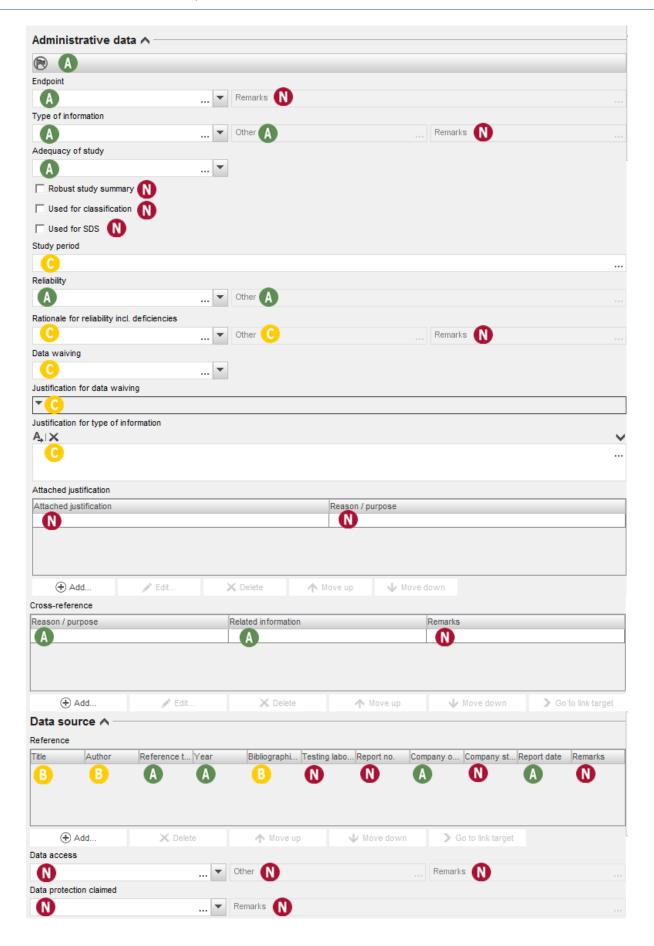


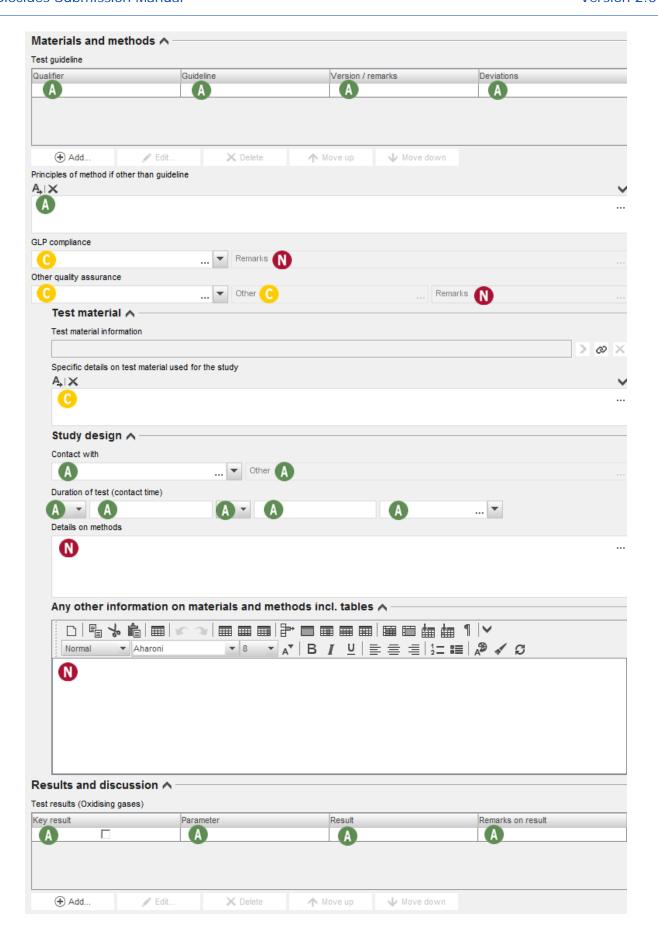




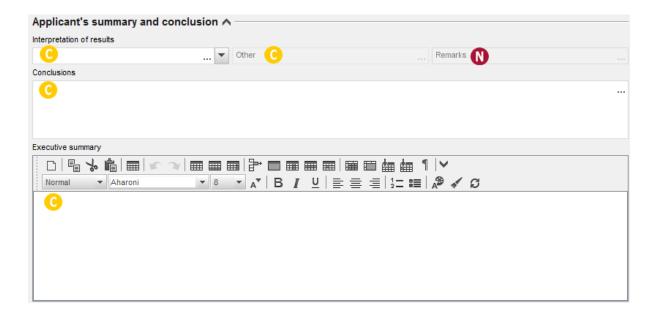
#### 4.4 Oxidising properties (also in Biocidal Product)

NB: Biocidal Product (A) -> ( Administrative data ^ (P) (A) Link to relevant study record(s) ^ Study name / type + Add... ↑ Move up > Go to link target Description of key information ^ - 8 - A B I U | = = = | 1= = | A ✓ S A Key value for chemical safety assessment ∧ Oxidising properties A ... 🔻 Additional information ^ C Justification for classification or non-classification ^ - 8 - A B I U | = = = | 1 = | A ✓ S A

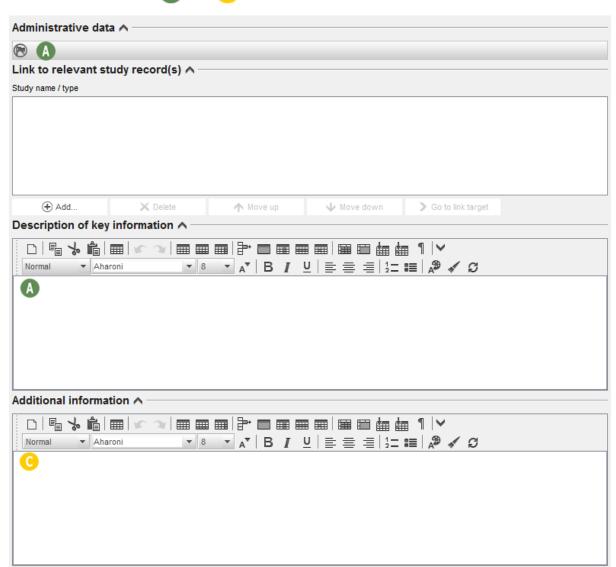


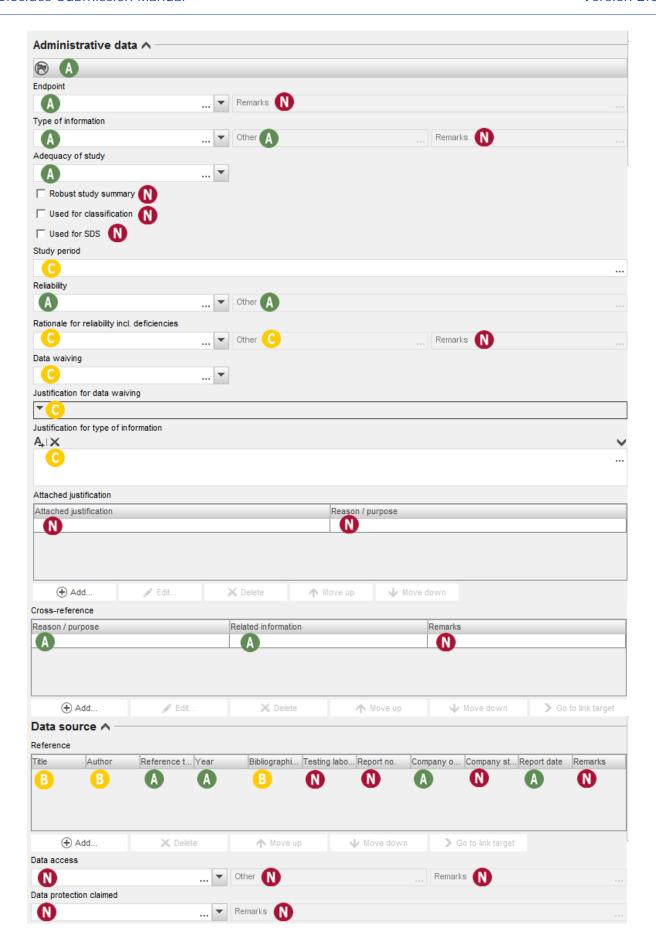


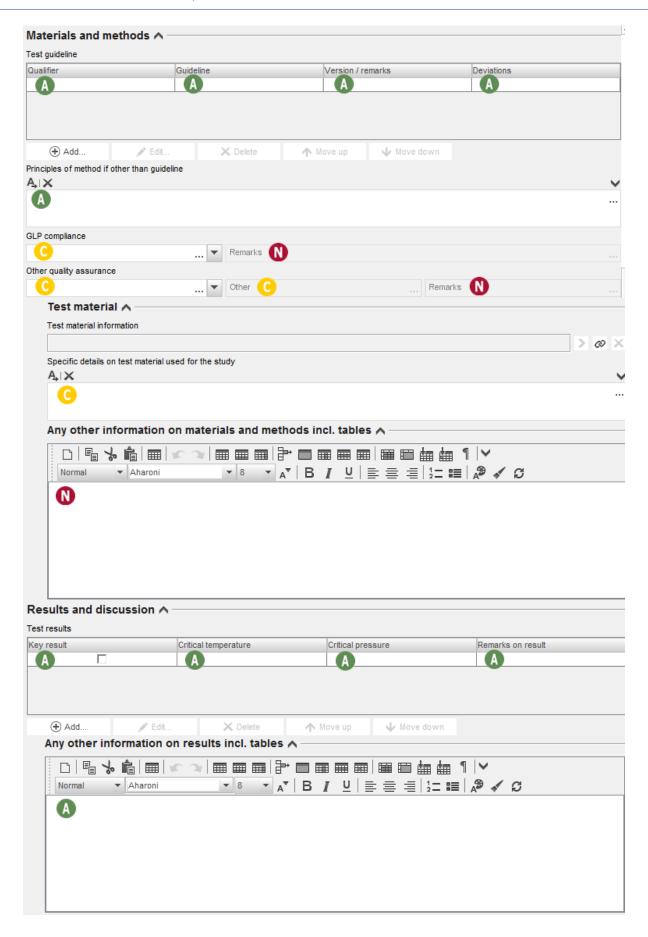


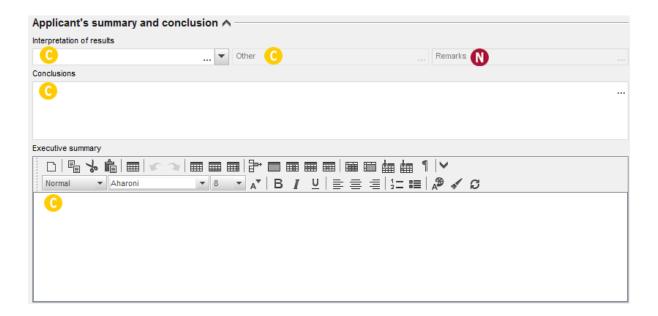


### 4.5 Gases under pressure (also in Biocidal Product)

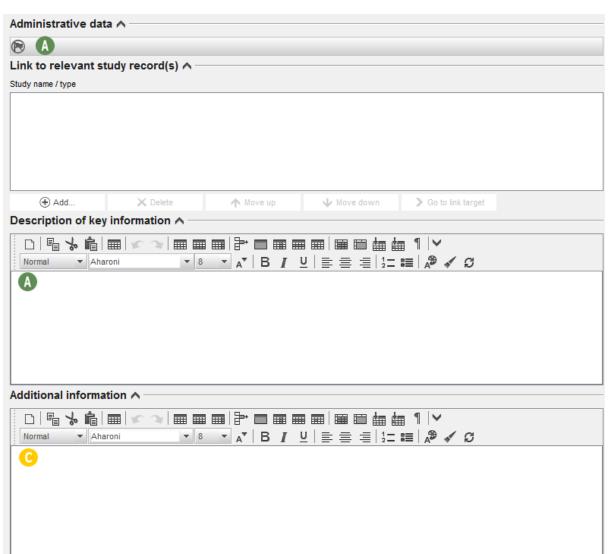


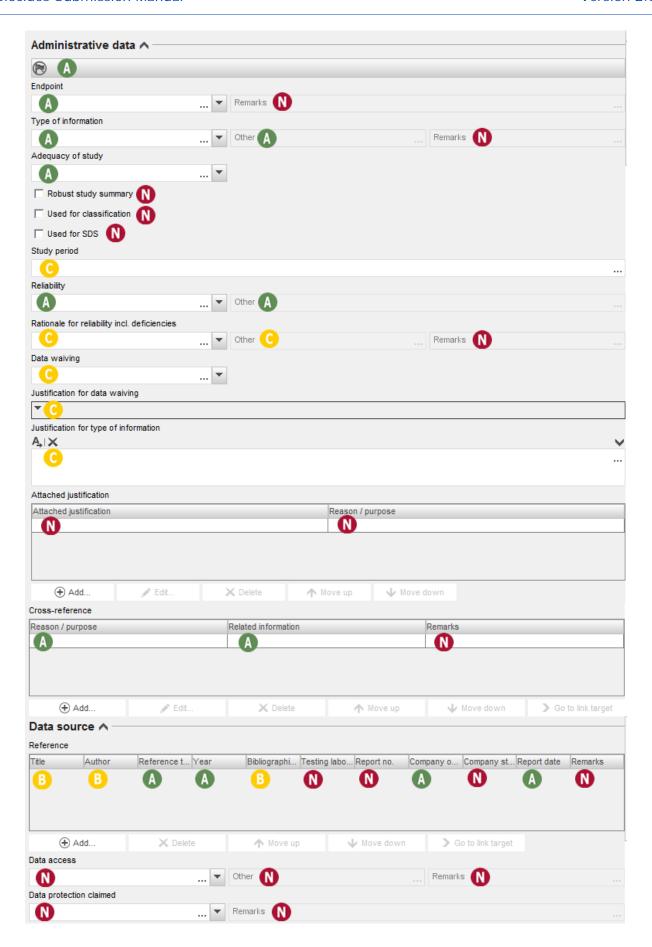


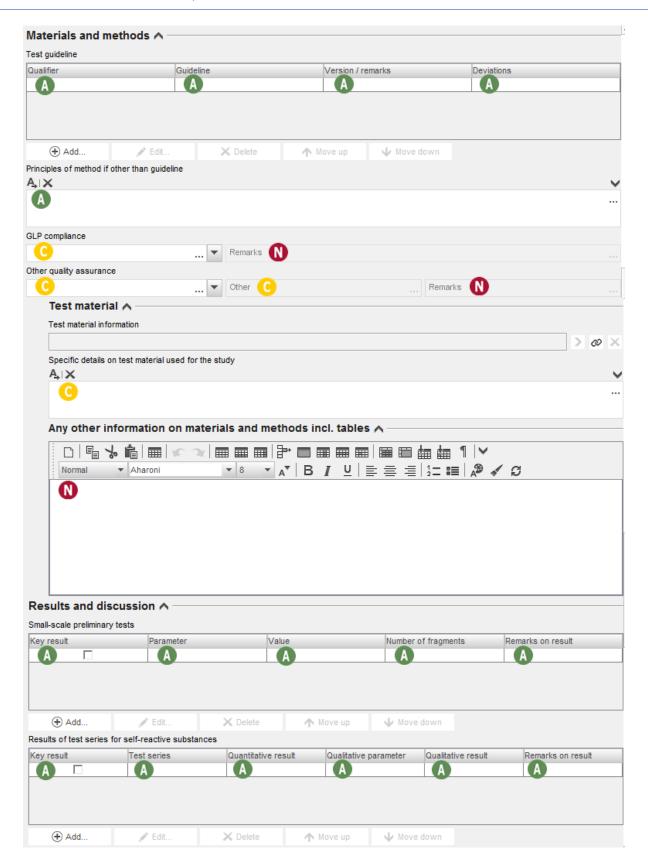


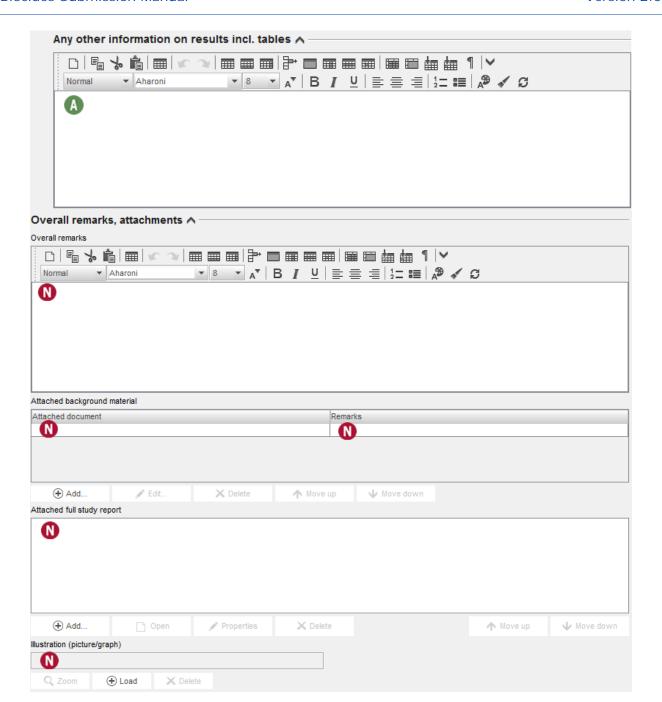


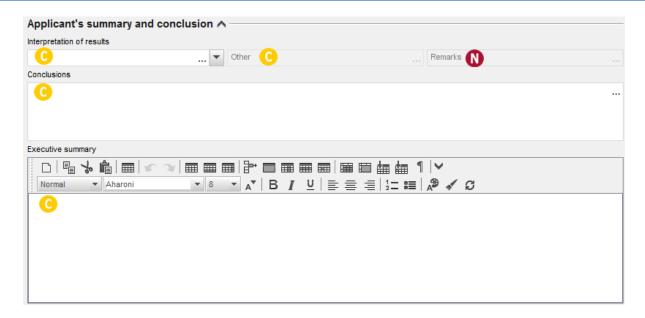
# **4.8** Self-reactive substances and mixtures (also in Biocidal Product)





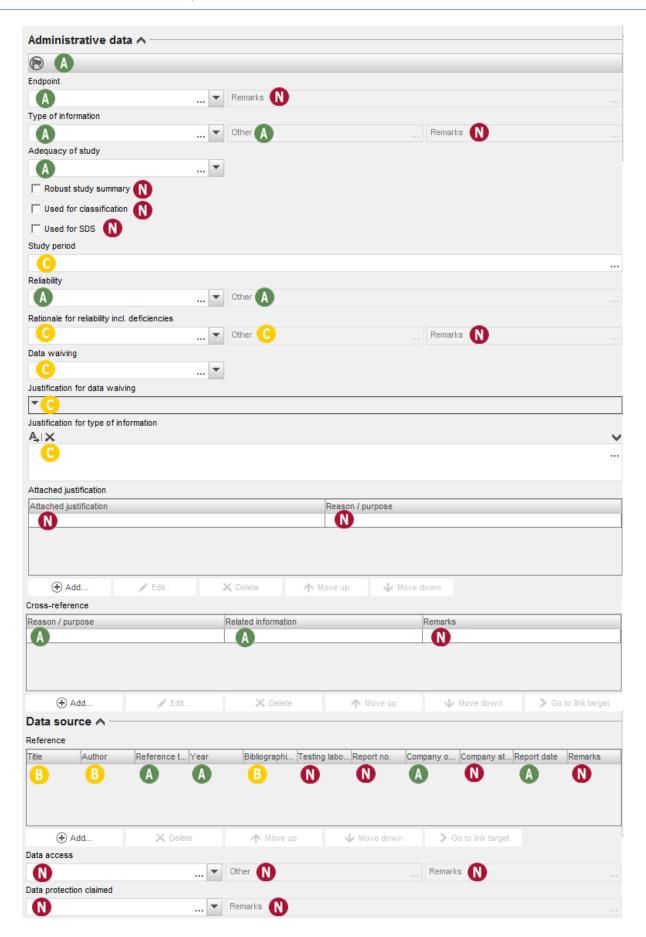


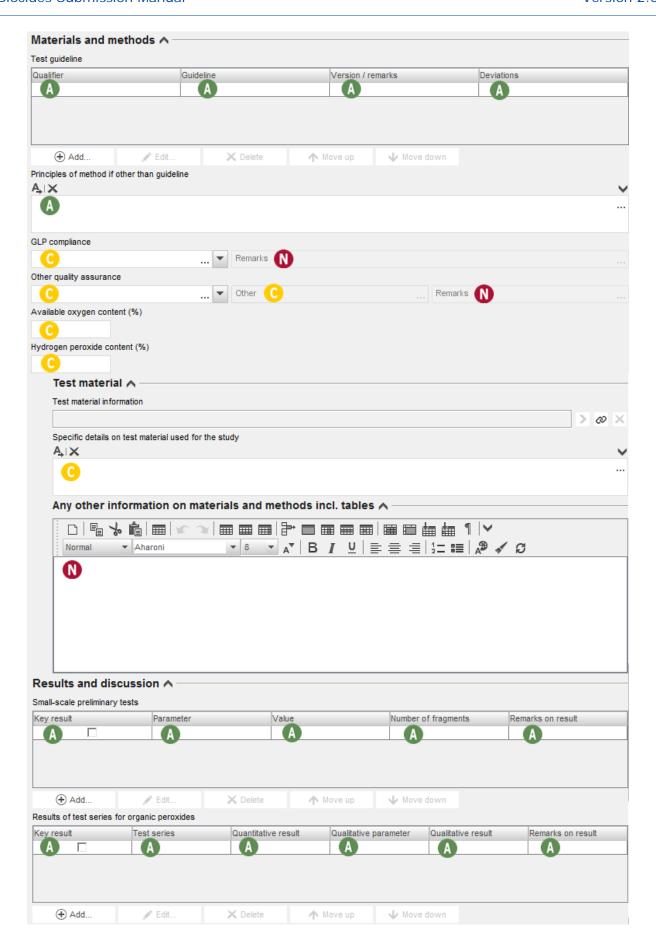


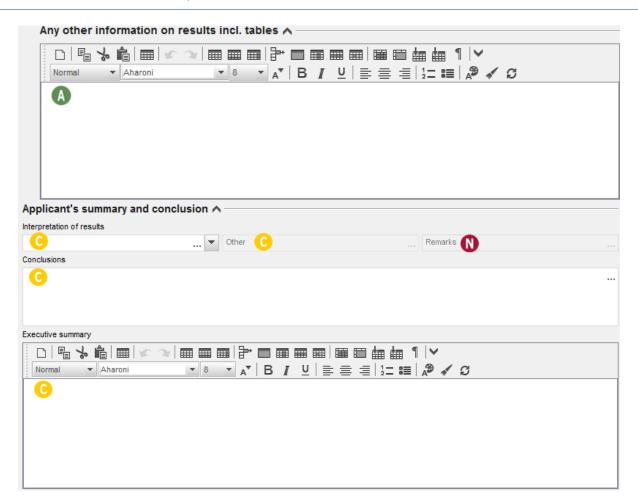


### 4.15 Organic peroxides (also in Biocidal Product)

**NB**: Biocidal Product Administrative data ^  $\bigcirc$  A Link to relevant study record(s) ^ Study name / type Add... ♠ Move up Description of key information ^ -Normal ▼ Aharoni A Additional information ^ Normal ▼ Aharoni - 8 - A B I U = = = 12 = A S C

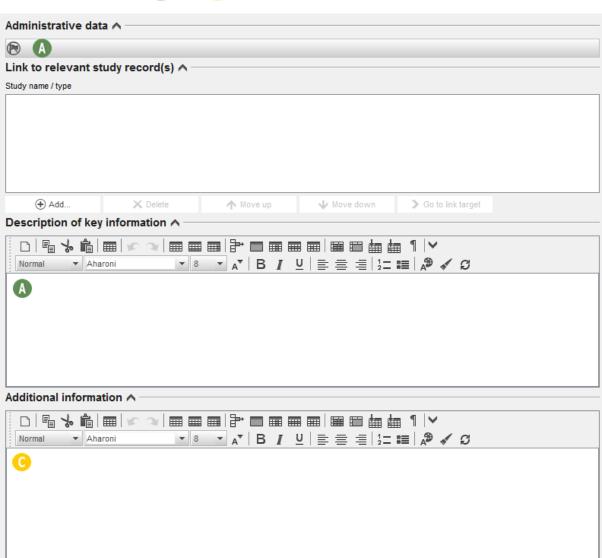


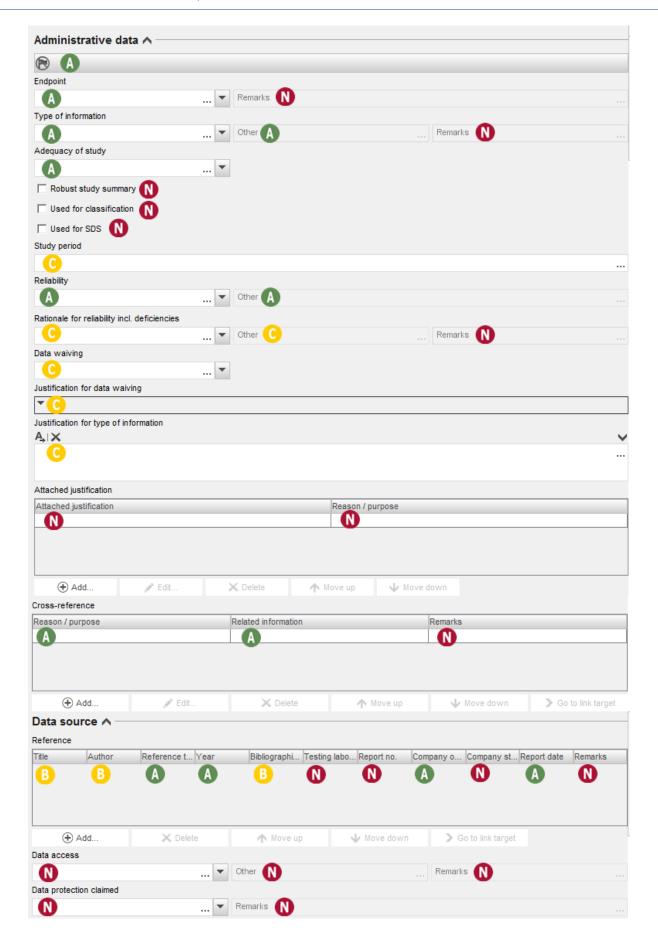


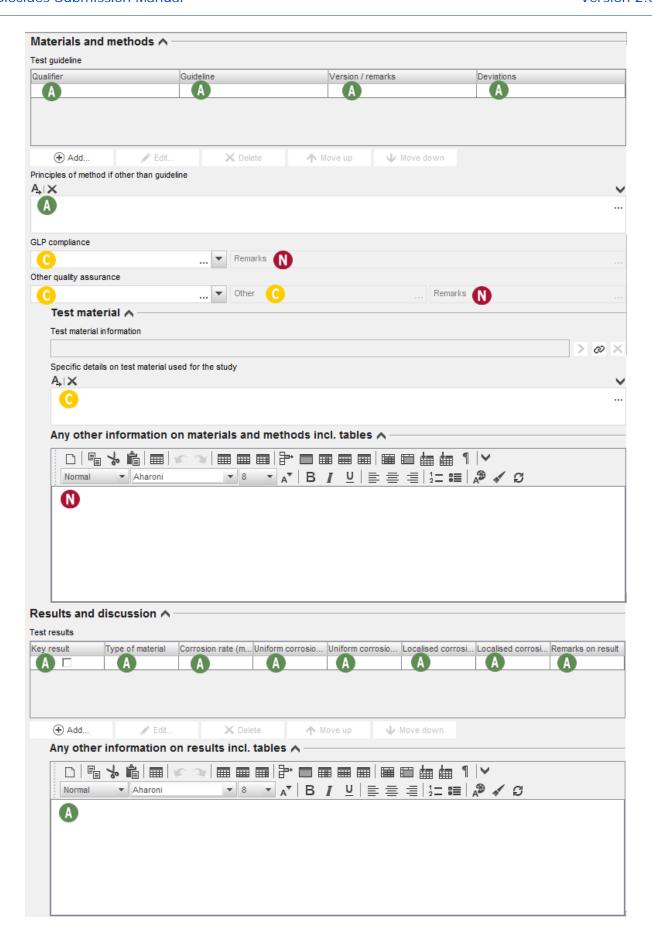


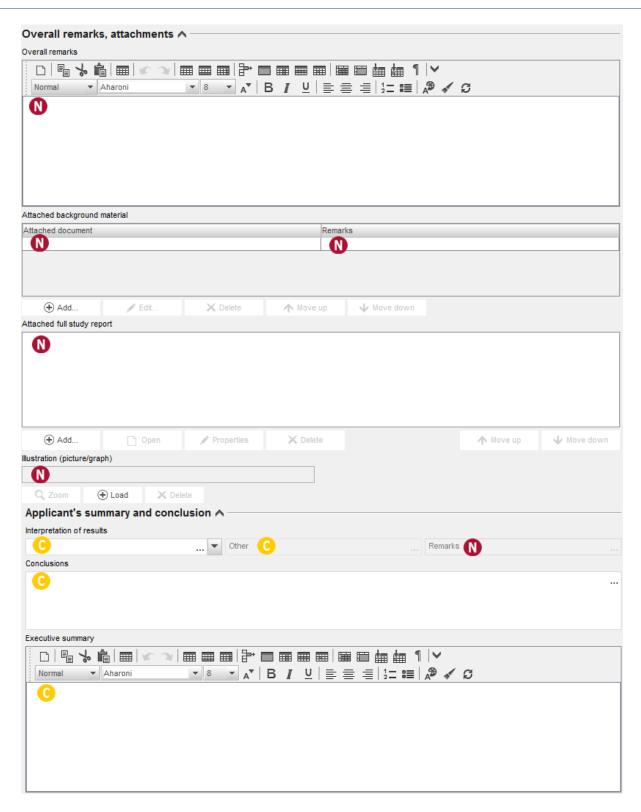
### 4.16 Corrosive to metals (also in Biocidal Product)

NB: Biocidal Product  $A \rightarrow C$ 



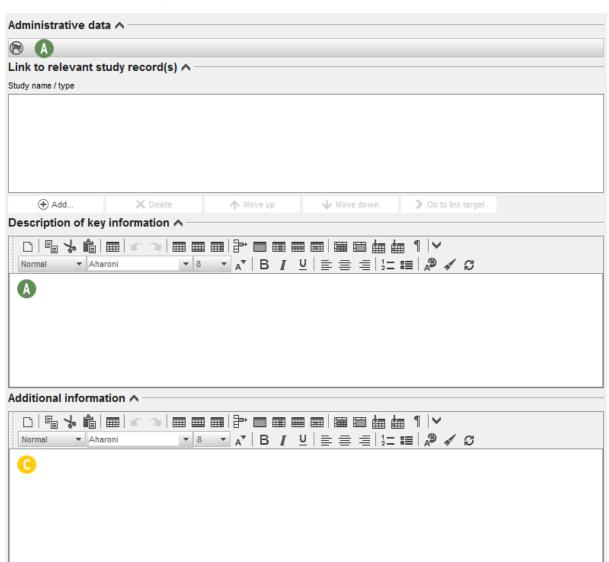


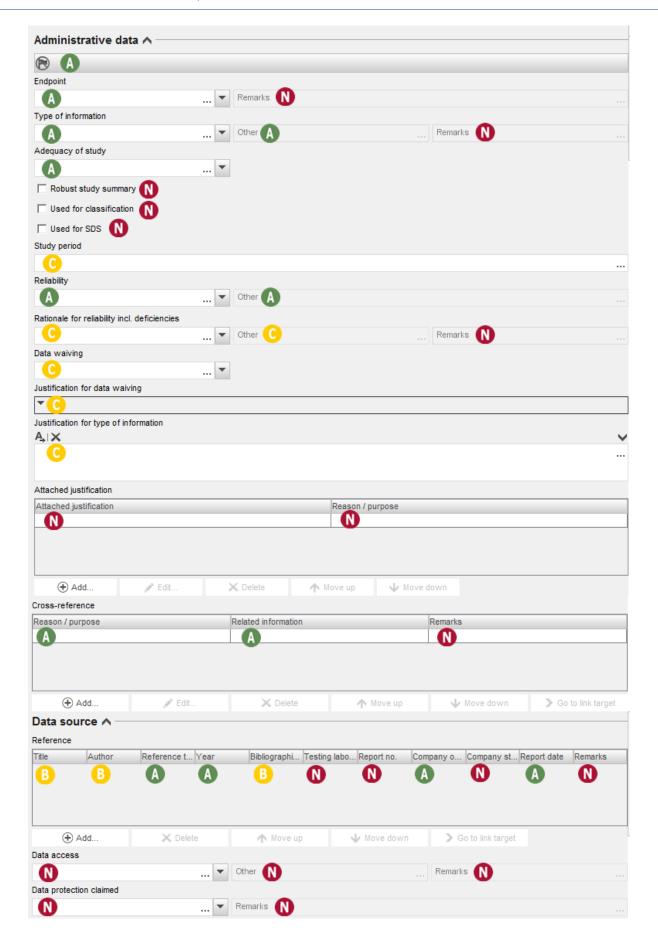


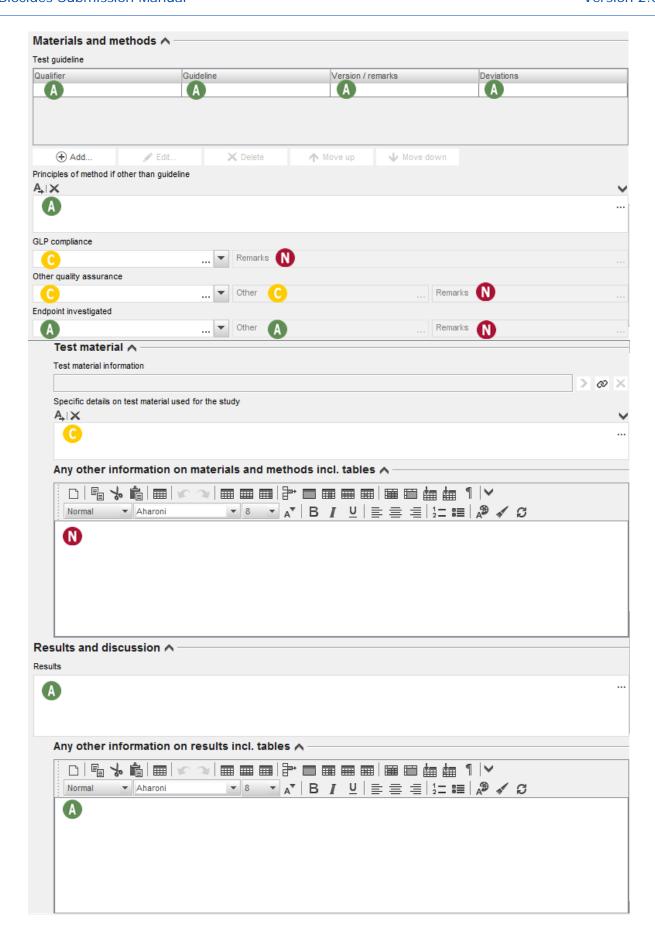


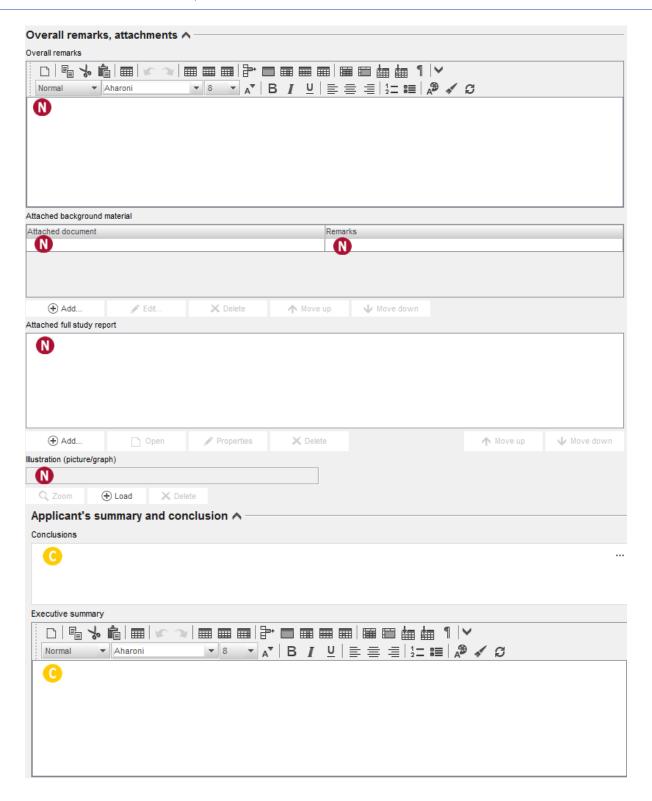
# **4.17** Additional physical indicators for hazards (also in Biocidal Product)

NB: Biocidal Product  $\bigcirc$ 



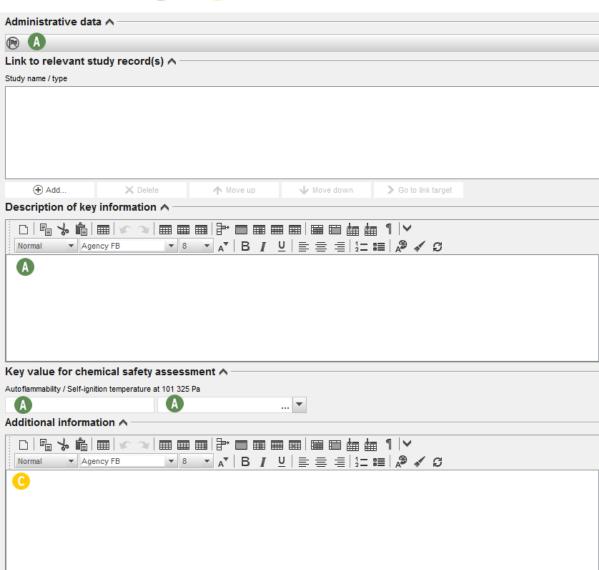


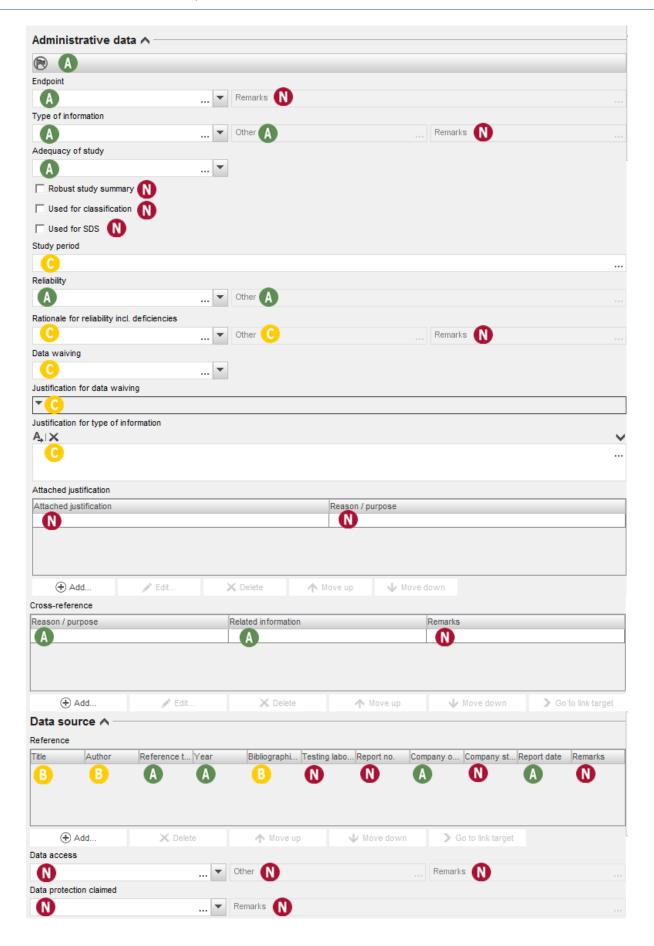


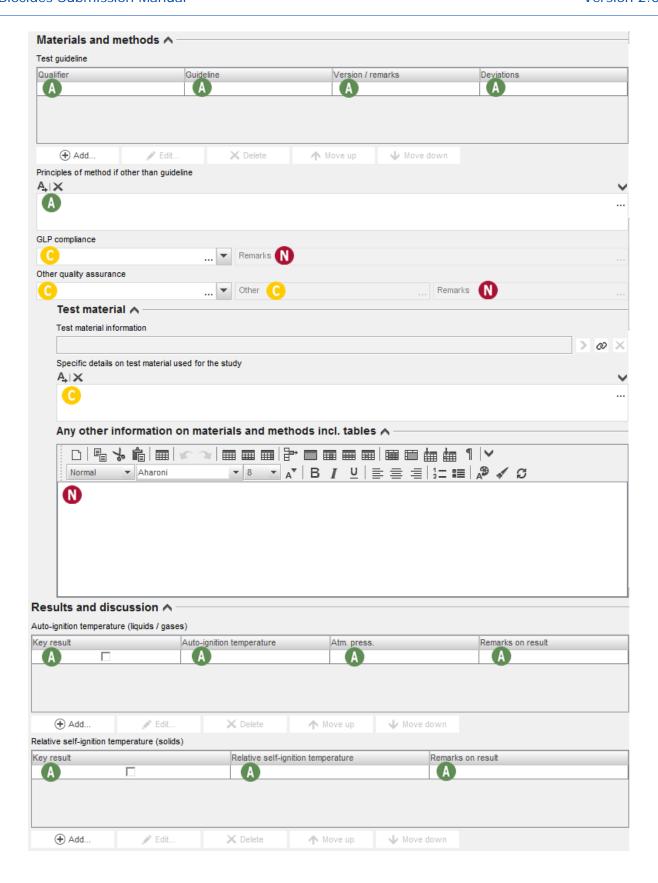


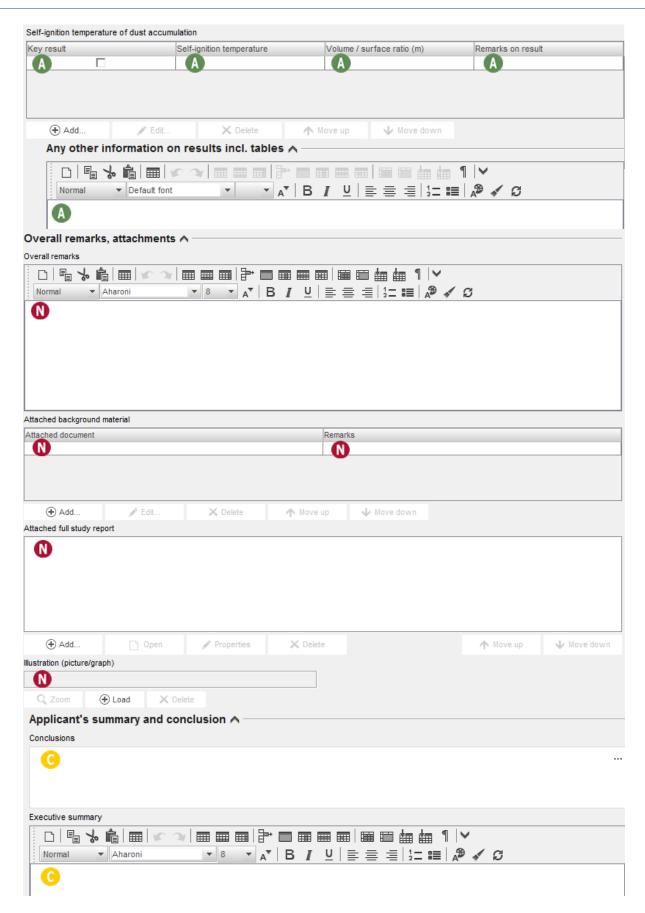
# 4.17.1 Auto-ignition temperature (liquids and gases) (also in Biocidal Product)

NB: Biocidal Product  $A \rightarrow C$ 









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