

GUIDANCE ON COMPLETION OF SECTIONS 1 AND 3 OF THE IUCLID 5 DOSSIER: IRON [EINECS number 231-096-4, CAS number 7439-89-6]

as Iron powders

INTRODUCTION

This document details the information submitted by the Lead Registrant for Iron [with respect to iron powders] and is intended as a guide to member registrants for completion of the necessary fields of sections 1 and 3 of their IUCLID 5.2 dossiers for Iron.

Note however that the text of REACH Regulation is the only authentic legal reference and the information contained in this document does not constitute legal advice. It is therefore recommended that member registrants should read all relevant ECHA Guidance documents, for [example Practical Guide 9: How to do a registration as a member of a joint submission](#).

Member registrants should make themselves aware of all new updates of the IUCLID software and its plug-ins.

This document contains two types of information:

- that which will be common to all dossiers which are part of the Joint Submission for Iron - the cells for which in this document are highlighted in orange;
- that which is particular to your company - the cells for which in this document are highlighted in blue;
- Cells highlighted in grey relate to headings only and have no content.

In order to input data to fields, please click on the EDIT button or select Control-E.



Do not forget to save data entered by clicking on the save button.



Do not forget to check your substance and dossier files with the IUCLID 5.2 TCC plug-in tool [don't forget to update this plug-in].



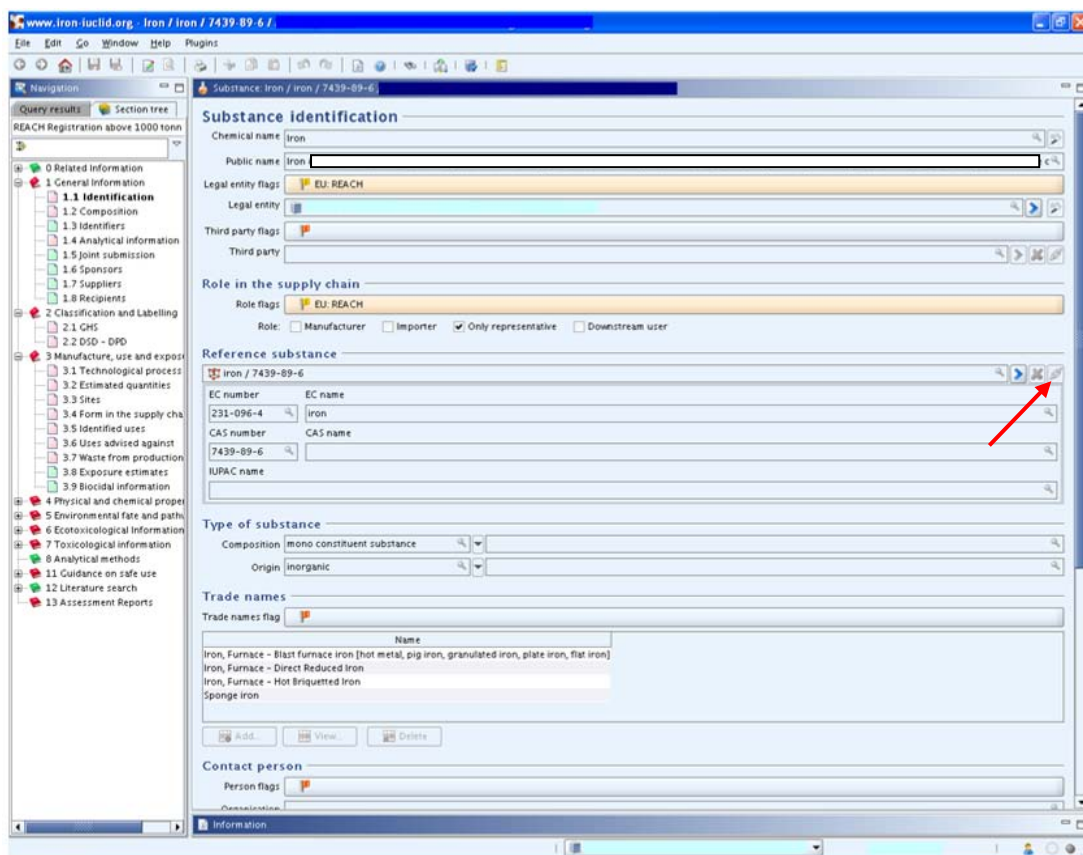
If confidentiality is required, the registration fee will be more expensive and a justification has to be provided! Note that ECHA has very recently issued a [guidance document on confidentiality claims](#) - this can be downloaded from the ECHA website or from the Library page of the Iron Platform website via the link in this sentence. A fee calculator plug in for IUCLID 5.2 will soon be available.

Information on the creation of a new substance is available on the Iron Platform website in the [SLIDES FROM IUCLID AND REACH-IT WEBINAR 08/07/2010](#) [slides 14-20]. Member registrants will have to import all IUCLID files [reference substances and the file containing the uses] provided by the Iron Platform before creating their substance files. A guidance document "How to import an i5z file into IUCLID 5.2" is available on the Iron Platform website.


An IUCLID 5.2 dissemination plug-in tool is available. This allows a registrant to preview or simulate the information from its registration dossier that ECHA will make available via the internet.



1.1 IDENTIFICATION



ITEM	TEXT TO BE ADDED	EXPLANATION
Substance identification	Heading only	
Chemical name	Iron	
Public name		Enter the generic name by which you describe your substance, e.g. atomised iron powders, carbonyl iron powders, etc.
Legal entity or third party flags:		Click on the flag if you want to assign confidentiality and programme restrictions.
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list..
Role in the supply chain		Choose your role and tick the appropriate box. Note: <ul style="list-style-type: none"> • If “manufacturer is selected, a production site is needed in section 3.3 • “downstream user” cannot be selected if the submission covers only intermediates • If “downstream user” is selected, “substance in article” must be ticked in

ITEM	TEXT TO BE ADDED	EXPLANATION
		section 3.4 <ul style="list-style-type: none"> “only representative” cannot be selected together with “manufacturer” or “importer”
Role flags		Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Reference substance	iron / 7439-89-6	<p>To locate the reference substance from the IUCLID data base, click on this icon [see red arrow in screenshot above].</p>  <p>Select your substance from the database by typing in the name, EC or CAS number, click SEARCH, select the substance name and click Assign [see screenshot below].</p> <p>Two problems may arise:</p> <ul style="list-style-type: none"> If no entry is found, you have first to import the substance from the EC inventory to the reference substance inventory. If an entry is found but inactive, right mouse click and set to “active reference substance.” <p>In order to simplify matters, the Iron Platform will provide reference substance files which member registrants can import into their IUCLID dossiers.</p>
EC number / name		This information is automatically provided when the reference substance is assigned.
CAS number		This information is automatically provided when the reference substance is assigned.
IUPAC name		This information is automatically provided when the reference substance is assigned.
Type of substance:	Heading only	
Composition	mono constituent substance	
Origin	inorganic	
Trade names	Heading only	
Trade names flag:		Click on the flag if you want to assign confidentiality and programme restriction

ITEM	TEXT TO BE ADDED	EXPLANATION
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Name		If you have trade name[s] for your substance, add it/them here
Contact person		These fields are for your own company information. The details entered should correspond with the information contained in REACH-IT

www.iron-fuclid.org - Iron / Iron / 7439-89-6 /

Substance: Iron / Iron / 7439-89-6 /

IUPAC name

Type of substance

Composition: mono constituent substance

Origin: inorganic

Trade names

Trade names flag: P

Name: Iron, Furnace - Blast furnace iron (hot metal, pig iron, granulated iron, plate iron, flat iron)
Iron, Furnace - Direct Reduced Iron
Iron, Furnace - Hot Briquetted Iron
Sponge iron

Contact person

Person flags: P

Organisation

Department

Title

First name

Last name

Phone

Mobile

Fax

E-mail

Address

Postal code

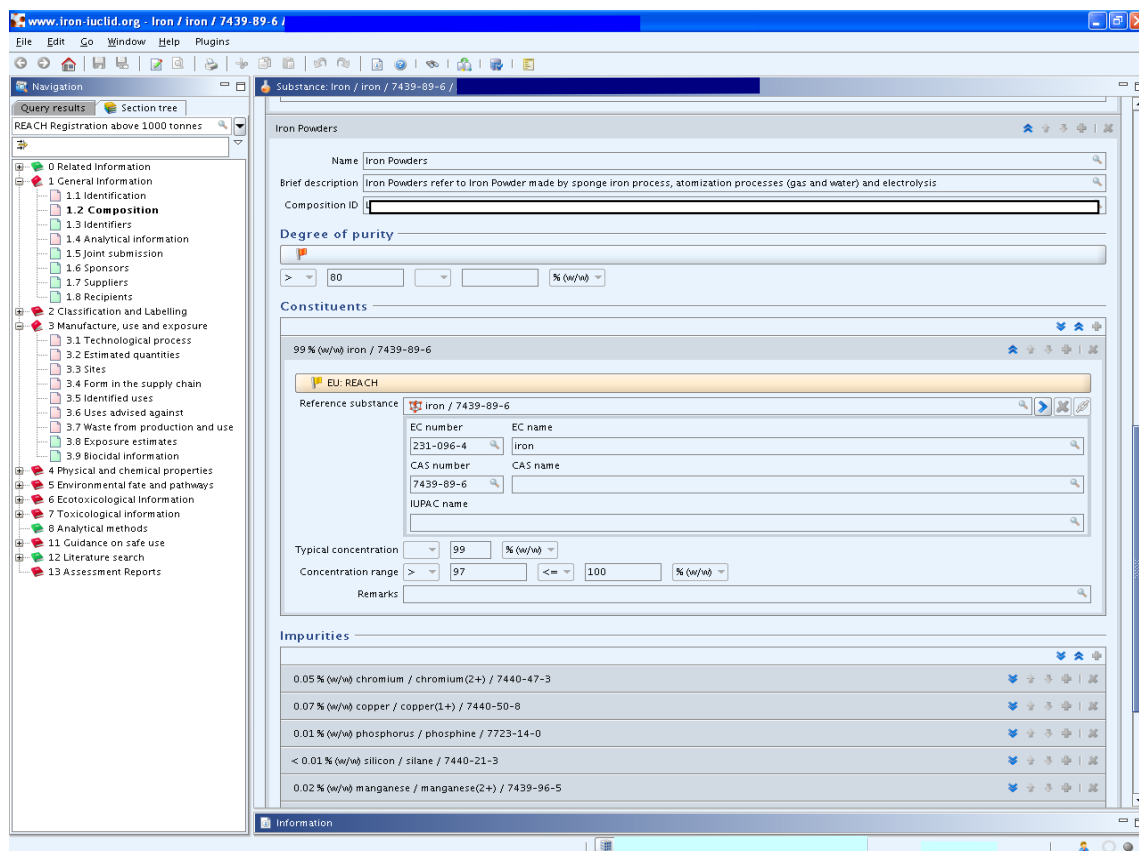
Town

Region / State

Country



Remarks

1.2 COMPOSITION



Note: The following table summarises the information on composition to be added in Chapter 1.2 of IUCLID. The degree of purity and additives sections are common for all types of iron powders including Carbonyl Iron Powder; the constituents and impurities sections, however, are not the same.

ITEM	TEXT TO BE ADDED	EXPLANATION
<i>Following rows concern ALL iron powders including Carbonyl Iron Powder</i>		
Substance composition	Heading only	Create a block here for each registered form of iron
Name	Iron Powders Carbonyl Iron Powder	Enter the right name according to the registered substance(s)
Brief description	Iron Powders refer to iron powders made by sponge iron process, atomization processes (gas and water) and electrolysis Carbonyl Iron Powder refers to Iron Powder uncoated, made by thermal decomposition of iron pentacarbonyl.	Enter the right description according to the registered substance(s)
Composition ID		A number is automatically created here by IUCLID.
Degree of purity flags:	Heading only	Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If

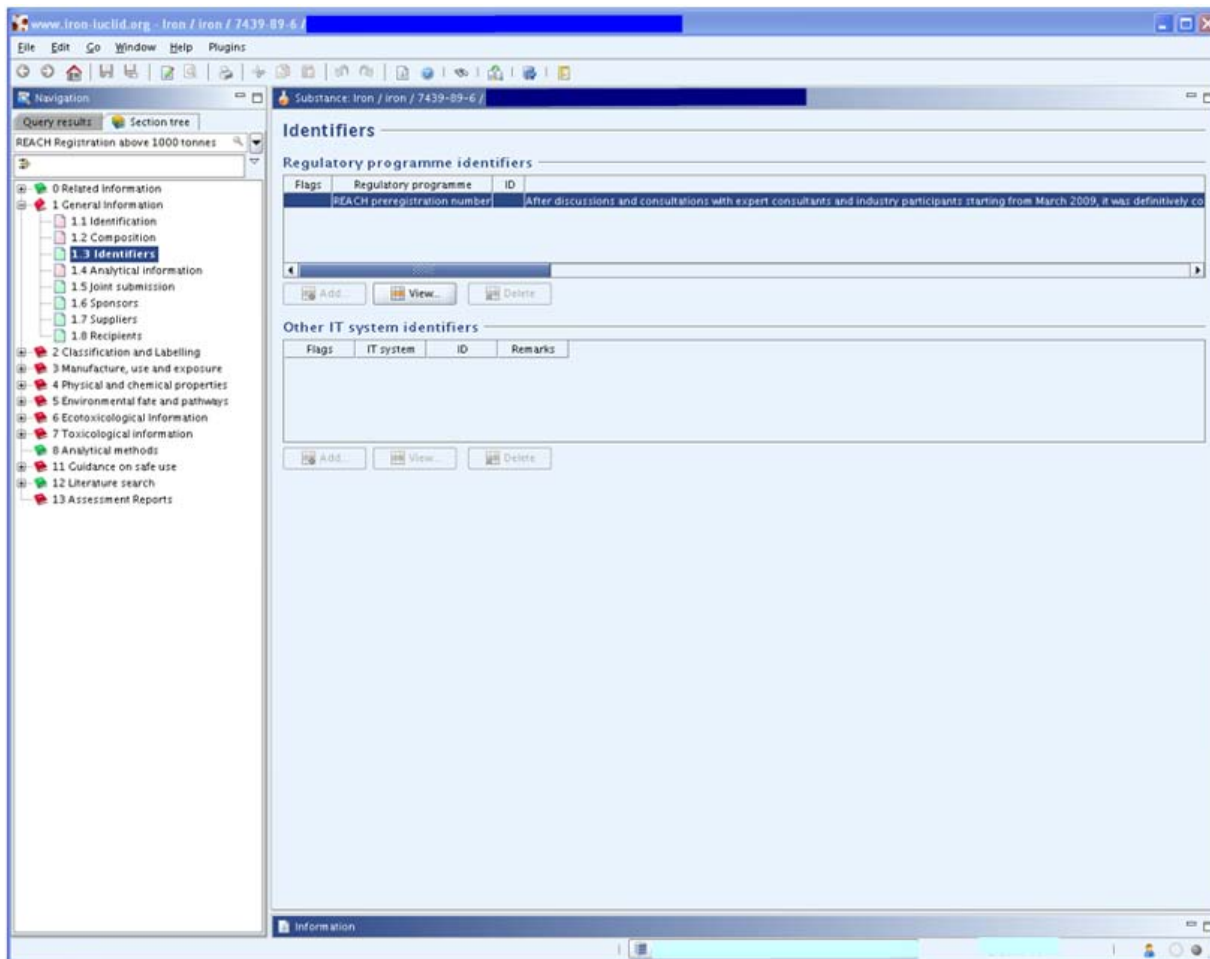
		confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Degree of purity	> 80% [w/w]	This is the same for all iron powders.
Following rows concern iron powders EXCEPT Carbonyl Iron Powder		
Constituents	Heading only	
Reference substance	iron / 7439-89-6	<p>To locate the reference substance from the IUCLID data base, click on this icon [see red arrow in screenshot above].</p>  <p>Select your substance from the database by typing in the name, EC or CAS number, click SEARCH, select the substance name and click Assign [see screenshot below].</p> <p>Two problems may arise:</p> <ul style="list-style-type: none"> • If no entry is found, you have first to import the substance from the EC inventory to the reference substance inventory. • If an entry is found but inactive, right mouse click and set to “active reference substance.” <p>In order to simplify matters, the Iron Platform will provide reference substance files which member registrants can import into their IUCLID dossiers.</p>
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 97 ≤ 100 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Impurities	Heading only	
		<p>Create a block for each impurity. To locate the impurity substance from the IUCLID data base, click on this icon [as for section 1.1 above].</p>  <p>Select your impurity substance from the database by typing in the name, EC or CAS number, click SEARCH, select the substance name and click Assign.</p> <p>Two problems may arise:</p> <ul style="list-style-type: none"> • If no entry is found, you have

		<p>first to import the substance from the EC inventory to the reference substance inventory.</p> <ul style="list-style-type: none"> • If an entry is found but inactive, right mouse click and set to “active reference substance.” <p>In order to simplify matters, the Iron Platform will provide reference substance files for the impurities below which you can import into your IUCLID dossier.</p>
Reference substance	chromium / chromium(2+) / 7440-47-3	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 0.2 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : “this impurity is considered relevant for the classification and labelling of the substance”		
Impurities	Heading only	Create a new block
Reference substance	copper / copper(1+) / 7440-50-8	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 0.2 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : “this impurity is considered relevant for the classification and labelling of the substance”		
Impurities	Heading only	Create a new block
Reference substance	phosphorus / phosphine / 7723-14-0	This is the official name for this impurity - do not worry about “phosphine.”
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 0.2 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : “this impurity is considered relevant for the classification and labelling of the substance”		
Impurities	Heading only	Create a new block
Reference substance	silicon / silane / 7440-21-3	This is the official name for this impurity - do not worry about “silane.”
Typical concentration		Enter the concentration level or

		range for your substance here.
Concentration range	> 0 ≤ 0.2 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks	Leave blank	Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	manganese / manganese(2+) / 7439-96-5	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 0.22 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	carbon / methane / 7440-44-0	This is the official name for this impurity - do not worry about "methane."
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 0.2 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	oxygen / 7782-44-7	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	> 0 ≤ 1.5 % (w/w)	This is per the sameness specification included in the Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Following rows concern ONLY Carbonyl Iron Powder.		
Constituents	Heading only	Create a new block
Reference substance	iron / 7439-89-6	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range	≥ 97.8 ≤ 99.8 % (w/w)	This is per the sameness specification included in the

		Chemical Safety Report for Iron.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Impurities	Heading only	Create a new block
Reference substance	phosphorus / phosphine / 7723-14-0	This is the official name for this impurity - do not worry about "phosphine."
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range		Leave blank as not specified.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	carbon / methane / 7440-44-0	This is the official name for this impurity - do not worry about "methane."
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range		Leave blank as not specified.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	nitrogen / nitrogen / 7727-37-9	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range		Leave blank as not specified.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
Impurities	Heading only	Create a new block
Reference substance	oxygen / 7782-44-7	
Typical concentration		Enter the concentration level or range for your substance here.
Concentration range		Leave blank as not specified.
Remarks		Enter any comments that you may wish to make with respect to the concentration level or range of your substance here.
Do not tick : "this impurity is considered relevant for the classification and labelling of the substance"		
<i>Following row concerns ALL iron powders including Carbonyl Iron Powder.</i>		
Additives	Heading only	Do not create a block here

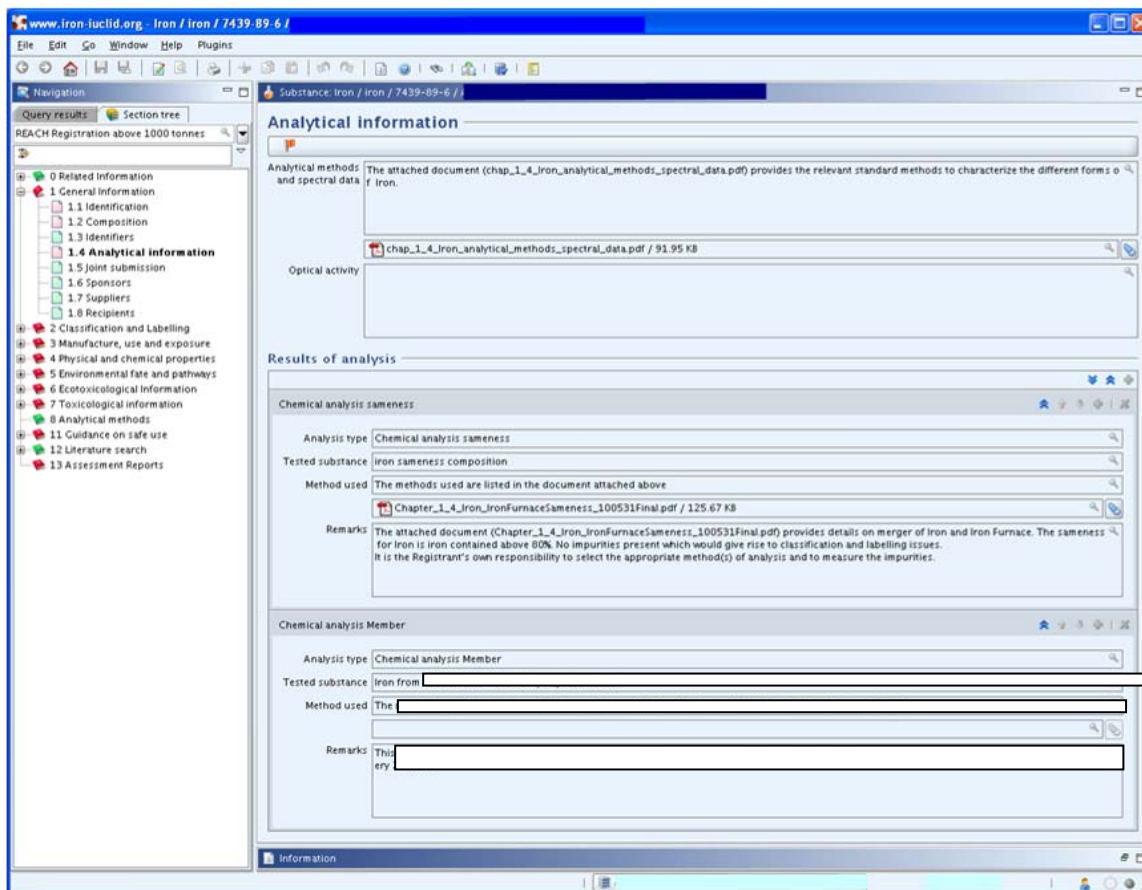
1.3 IDENTIFIERS





ITEM	TEXT TO BE ADDED	EXPLANATION
Regulatory programme identifiers		Select REACH Pre-registration number or REACH Inquiry number from the pick list.
ID		Enter your pre-registration or inquiry number.
Remarks		Leave blank
Other IT system identifiers		Leave blank

1.4 ANALYTICAL INFORMATION

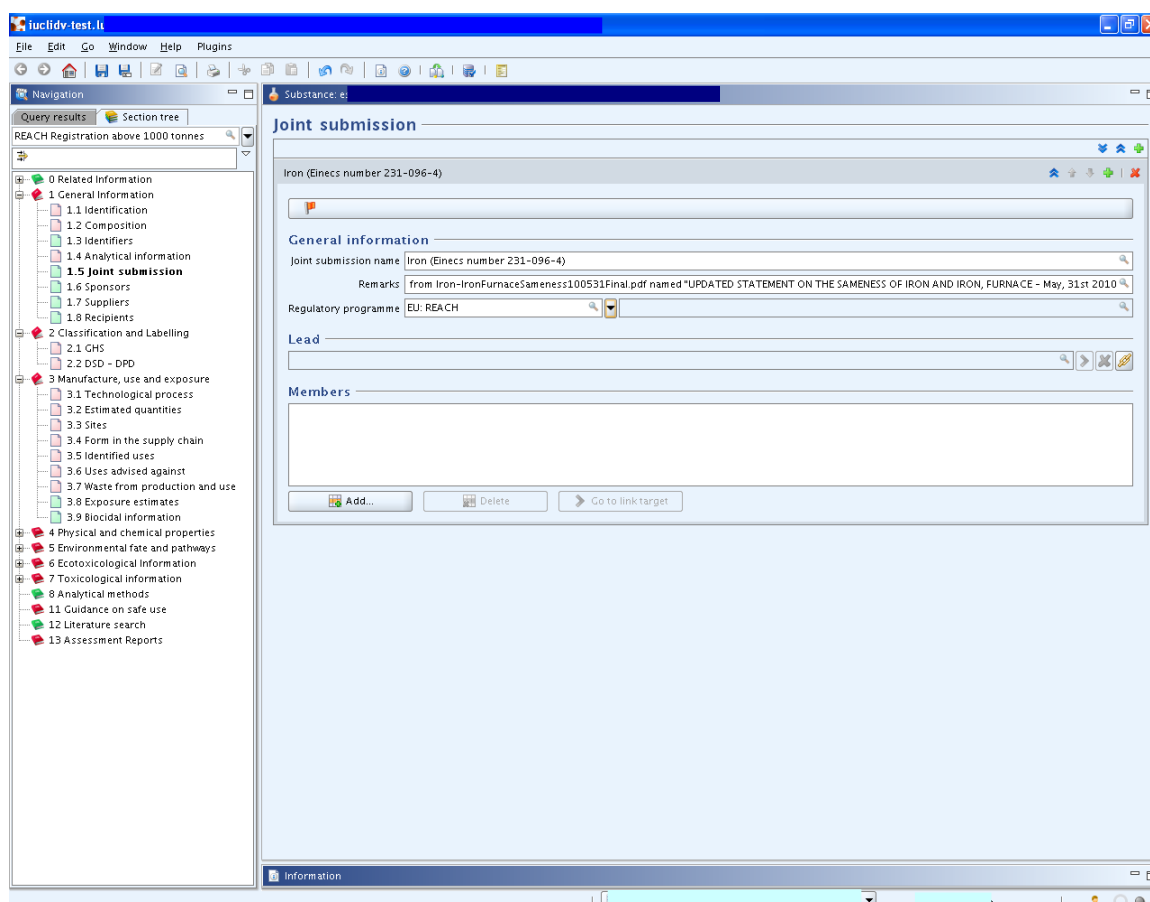
For guidance on the analytical methods to use, please refer to the [ANALYSIS METHODS FOR USE IN DEMONSTRATING SAMENESS - IRON](#) document in the guidance and training for REACH registrants on the Iron Platform website or via the link in this sentence.



ITEM	TEXT TO BE ADDED	EXPLANATION
Analytical information flags:		Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Analytical methods and spectral data		 Attach a document describing the analytical methods used. The name of the file will automatically appear in this field.
Optical activity		Leave blank
Results of analysis - chemical analysis		Heading only
Analysis type	Chemical analysis sameness	
Tested substance		Identify the substance tested, e.g. form of iron powder.....

ITEM	TEXT TO BE ADDED	EXPLANATION
Analysis results		 Attach a file with your analysis results. The name of the file will automatically appear in this field.
Method used		Specify the analysis method and standard in accordance with which the analysis has been carried out, e.g. XRF in accordance with ISO ...
Remarks		If you feel the need to provide an explanation on the results of the analysis, include it here.
Results of analysis		If you carried out this [or any other] test, you will need to create a new block for this section and then fill in the fields as for the preceding sections.

1.5 JOINT SUBMISSION



ITEM	TEXT TO BE ADDED	EXPLANATION
Joint submission		Create a block
Joint submission flags:		Click on the flag if you want to assign confidentiality and

ITEM	TEXT TO BE ADDED	EXPLANATION
		programme restriction
confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
programme restrictions		Select EU: REACH from pick list.
General information		
Joint submission name	Iron (Einecs number 231-096-4)	
Remarks		Leave blank
Regulatory programme		Leave blank or select EU: REACH
Lead		Leave blank
Members		Leave blank

1.6 SPONSORS

Registrants may specify different Sponsor organisations, e.g. a Competent Authority in the context of the OECD HPV Chemicals programme or a Company in the context of the US EPA HPV Challenge programme. Otherwise leave this section blank.

The screenshot shows the REACH registration software interface. On the left is a navigation pane with a section tree. The main area is titled 'Sponsors' and contains the following fields:

- Name:
- Type:
- Contact information:
 - Address:
 - Address:
 - Postal code:
 - Town:
 - Region / State:
 - Country:
 - Phone:
 - Fax:
 - E-mail:
 - Web site:
- Contact persons:

The status bar at the bottom indicates 'Information'.

1.7 SUPPLIERS

Leave this section blank unless you are Only Representative. Although not mandatory, ECHA recommends that as an Only Representative you should attach clear documentation of your appointment as Only Representative, for example a copy of the appointment letter sent to importers. In this case you are also advised to indicate the list of importers' names covered by the registration in the field "Other importers". The Iron Platform strongly advises Only Representatives to follow ECHA's recommendation.

The screenshot displays the IUCLIDv test software interface. On the left is a navigation pane with a section tree. The main area is titled "Suppliers" and contains the following fields:

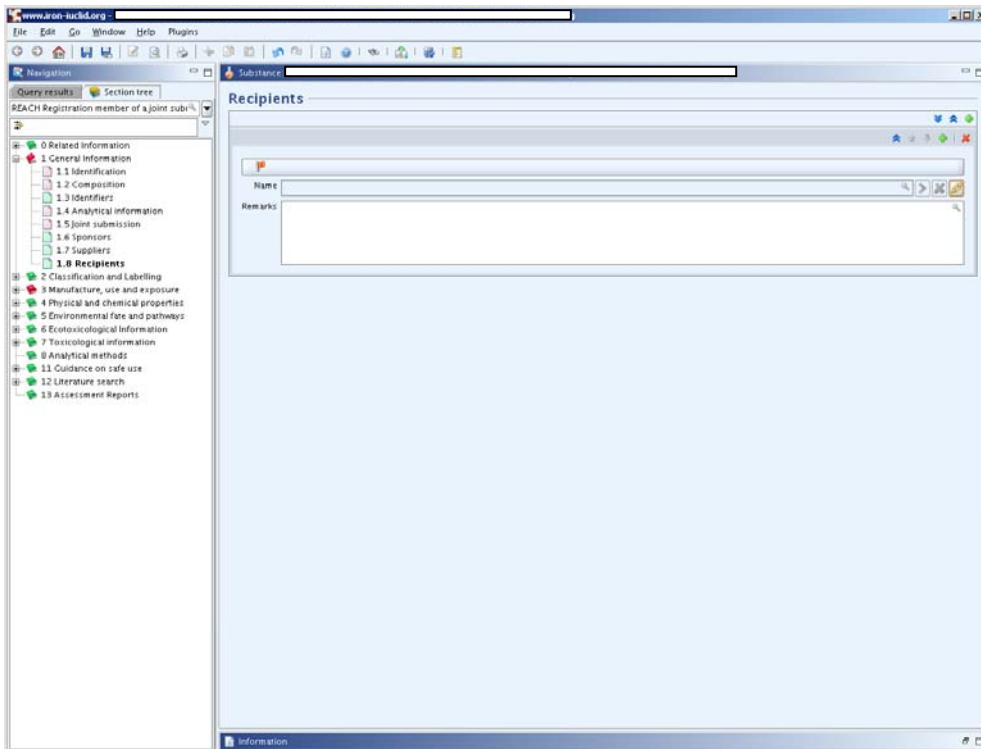
- Manufacturer / Importer / Formulator**:
 - Name:
 - Remarks:
- Only representation information**:
 - Assignment from non EU manufacturer:
 - Other importers:

Name	Agreement
<input type="text"/>	

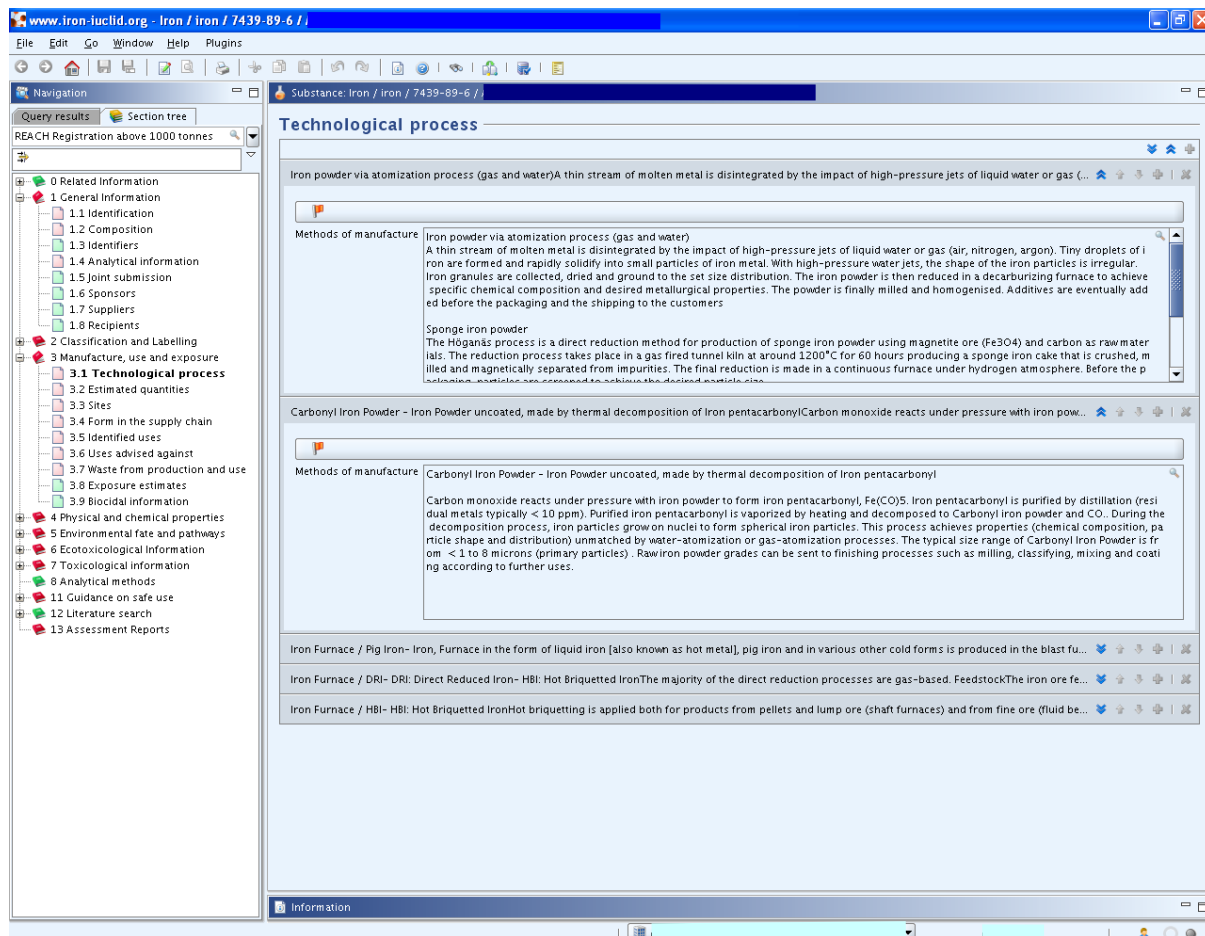
At the bottom of the "Other importers" table, there is an "Add" button with a plus sign icon, which is highlighted by a red arrow. Below the main form area are buttons for "Add...", "Edit...", and "Delete". At the bottom of the window, there is an "Information" bar with tabs for "Information", "Modification history", "Access", "Consultation", "Attachments", "Annotations", and "Validation".

1.8 RECIPIENTS

A recipient can be a Downstream user, a Distributor or a Customer (e.g. in the context of Product and process orientated research and development (PPORD)) being supplied with a Substance, or a Mixture or an Article. These definitions never include consumers.



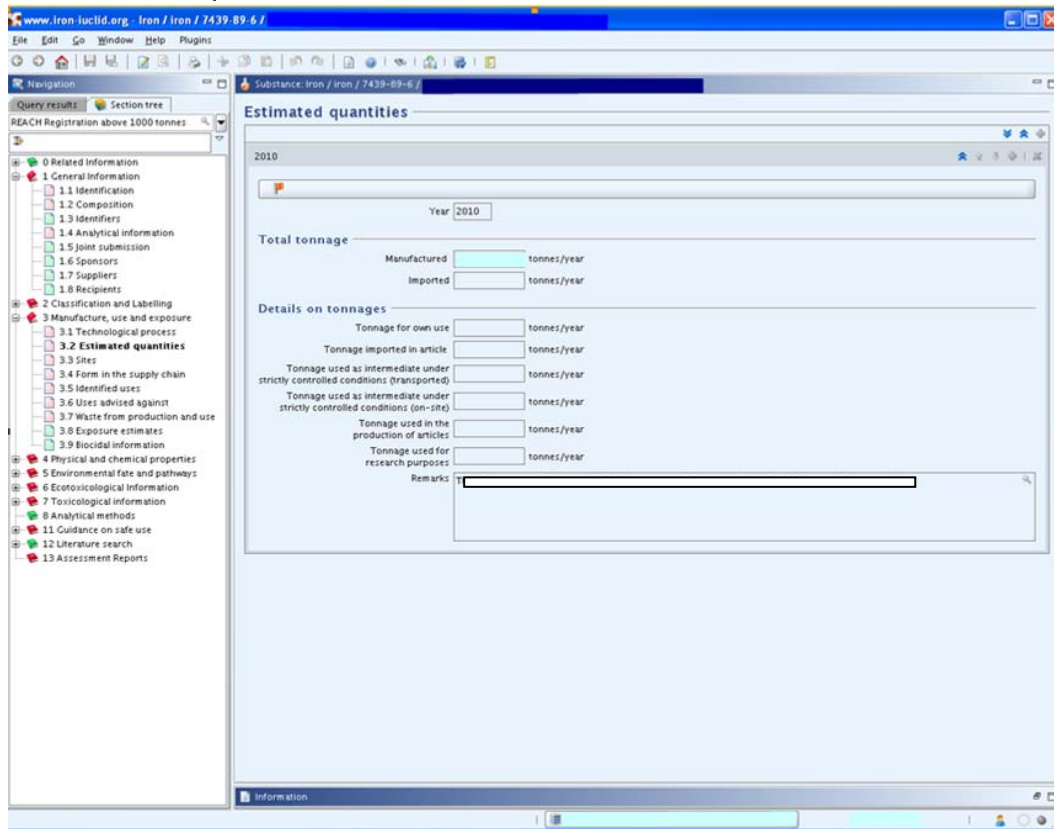
3.1 TECHNOLOGICAL PROCESS



ITEM	TEXT TO BE ADDED	EXPLANATION
Technological process flags:		Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Methods of manufacture	Iron powder via atomization process (gas and water) A thin stream of molten metal is disintegrated by the impact of high-pressure jets of liquid water or gas (air, nitrogen, argon). Tiny droplets of iron are formed and rapidly solidify into small particles of iron metal. With high-pressure water jets, the shape of the iron particles is irregular. Iron granules are collected, dried and ground to the set size distribution. The iron powder is then reduced in a decarburizing furnace to achieve specific chemical composition and desired metallurgical properties. The powder is finally milled and	If you are an importer or Only Representative enter as the case may be "Importer/Only Representative - not relevant." EU manufacturers should create a block for each process, i.e.

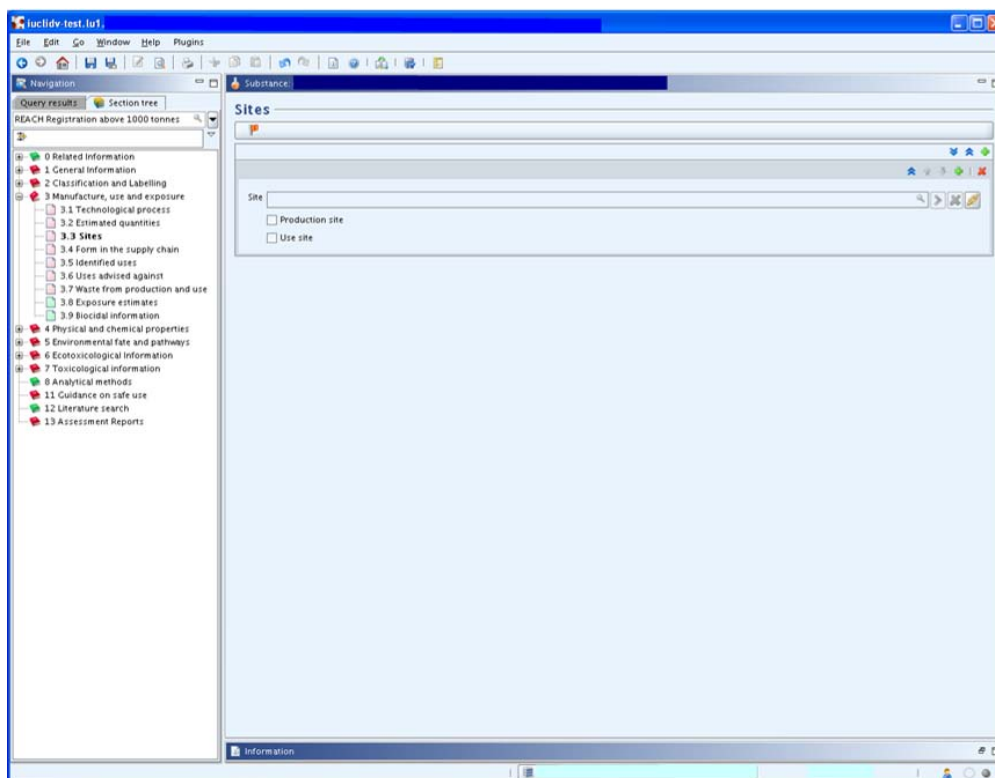
ITEM	TEXT TO BE ADDED	EXPLANATION
	<p>homogenised. Additives are eventually added before the packaging and the shipping to the customers</p> <p>Sponge iron powder The Höganäs process is a direct reduction method for production of sponge iron powder using magnetite ore (Fe₃O₄) and carbon as raw materials. The reduction process takes place in a gas fired tunnel kiln at around 1200°C for 60 hours producing a sponge iron cake that is crushed, milled and magnetically separated from impurities. The final reduction is made in a continuous furnace under hydrogen atmosphere. Before the packaging, particles are screened to achieve the desired particle size</p> <p>Iron powder via electrolysis The manufacture of iron powder by electrolysis is a batch process. The anodes are usually made of iron or low carbon steel. The electrolyte of the cell consists of a sulphate solution (temperature 50°C). Pure iron is deposited as a brittle lightly adhering sheet on the cathodes. After washing, drying, and stripping, the deposited iron is ground. Further milling and annealing is carried out to meet requirements of specific applications.</p>	<p>each registered form of iron.</p> <p>This is the text submitted by the Lead Registrant - we suggest that EU manufacturers copy it unless it does not cover the method of manufacture, in which case amend or re-draft as appropriate.</p>
	<p>Carbonyl Iron Powder - Iron Powder uncoated, made by thermal decomposition of Iron pentacarbonyl</p> <p>Carbon monoxide reacts under pressure with iron powder to form iron pentacarbonyl, Fe(CO)₅. Iron pentacarbonyl is purified by distillation (residual metals typically < 10 ppm). Purified iron pentacarbonyl is vaporized by heating and decomposed to Carbonyl iron powder and CO.. During the decomposition process, iron particles grow on nuclei to form spherical iron particles. This process achieves properties (chemical composition, particle shape and distribution) unmatched by water-atomization or gas-atomization processes. The typical size range of Carbonyl Iron Powder is from < 1 to 8 microns (primary particles) . Raw iron powder grades can be sent to finishing processes such as milling, classifying, mixing and coating according to further uses.</p>	

3.2 ESTIMATED QUANTITIES



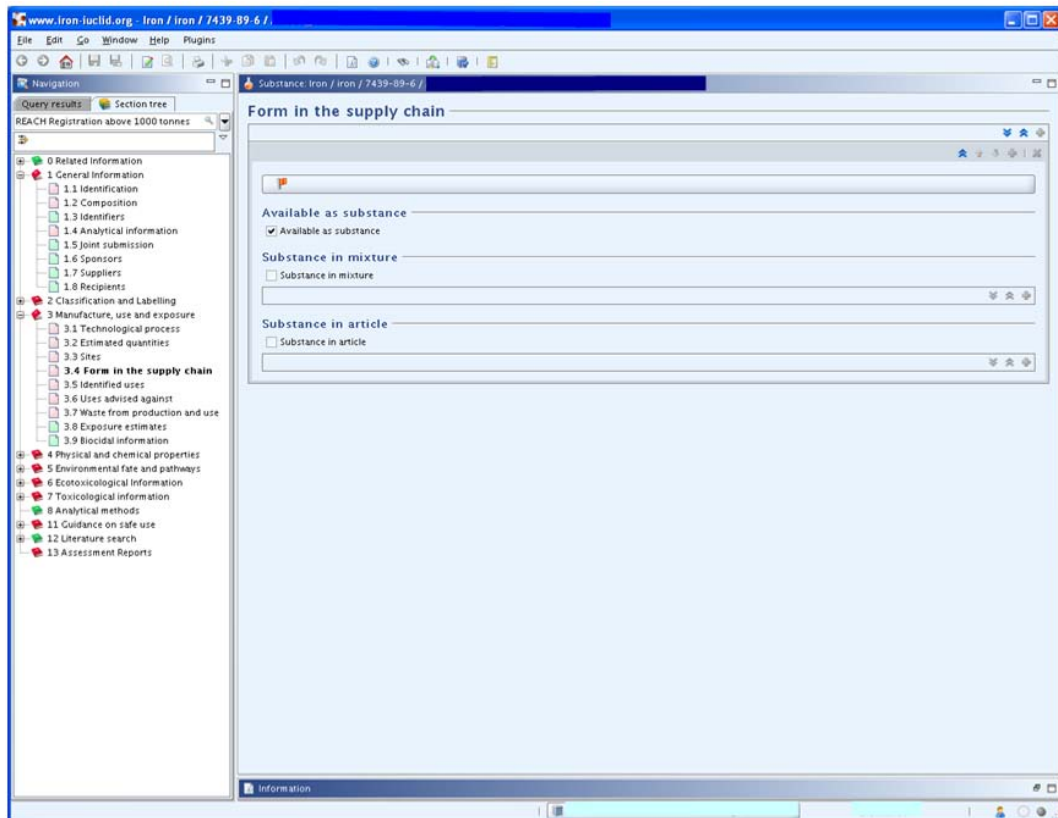
ITEM	TEXT TO BE ADDED	EXPLANATION
Year	2010	
Estimated quantities flags:		Click on the flag if you want to assign confidentiality and programme restriction
confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
programme restrictions		Select EU: REACH from pick list.
Total tonnage		Enter the estimated tonnage to be manufactured or imported in 2010. If you cannot estimate your tonnage for 2010, use the average of the three prior years, 2007/8/9, assuming that these were representative years.
Details on tonnages		If you feel the need to provide an explanation for the basis of your tonnage, include it here.

3.3 SITES



ITEM	TEXT TO BE ADDED	EXPLANATION
Site		<p>Enter the name and location of your site. The minimum contact address information is town/city and country, but ECHA recommends filling all address fields.</p> <p>An Only Representative or Importer can assign a site, but this is not mandatory.</p> <p>If “Manufacturer” is selected in section 1.1, at least one production site must be entered in section 3.3.</p>
Site flags:		Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Legal entity owner		Assign the name of the legal entity which owns the site from the drop down list.
Type of site		Tick the appropriate box

3.4 FORM IN THE SUPPLY CHAIN



ITEM	TEXT TO BE ADDED	EXPLANATION
Form in the supply chain flags:		Click on the flag if you want to assign confidentiality and programme restriction
Confidentiality		Leave blank or select the right level of confidentiality. If confidentiality is required, a justification has to be provided.
Programme restrictions		Select EU: REACH from pick list.
Available as a substance		Tick the appropriate box.
Substance in mixture		If you tick this box, provide the relevant information in all fields.
Substance in article		If you tick this box, provide the relevant information in all fields.

3.5 IDENTIFIED USES

Information on uses is available on the Iron Platform website in the document Identified uses of iron the iron SIEF documents area or via the link in this sentence. Table 1 refers to Iron Powders (Iron Powder made by sponge iron process, atomization processes (gas and water) and electrolysis) and table 2 to Carbonyl Iron Powders (Iron Powder uncoated, made by thermal decomposition of Iron pentacarbonyl).

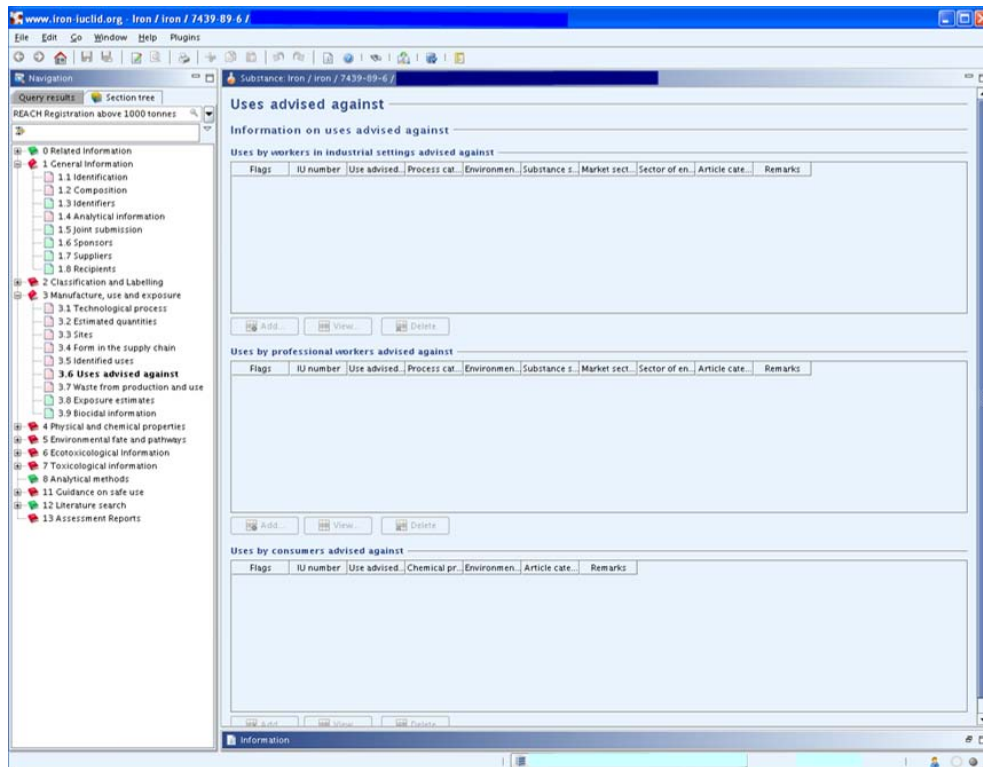
The screenshot displays the 'Identified uses' interface on the Iron Platform website. The main table lists identified uses with columns: Flags, IU number, Identified use name, Process category, Environmental release category, Substance supplied to, Market sector, Sector of end use, Subsequent use, Article category, and Exposure scenario. A modal window titled 'Use by workers in industrial setting' is open, showing a dropdown menu for 'Environmental release category' with options: ERIC 1: Manufacture of substances; ERIC 2: Formulation of preparations; ERIC 5: Industrial use resulting in inclusion; ERIC 6a: Industrial use resulting in man; ERIC 6b: Industrial use of reactive process.

The screenshot displays the 'Identified uses' interface on the Iron Platform website. The 'Closed system' checkbox is checked. The 'Justification why no identified uses are reported' field is empty. The 'Most common technical functions of the substance' section lists: Intermediates, Food/feedstuff additives, Pharmaceutical substance, Plating agents and metal surface treating agents, Processing aid, not otherwise listed, Laboratory chemicals, Fillers, Colouring agents, pigments. The 'Remarks' field contains: 'other: Iron Furnace is used as feedstock for crude steel production and ferrous casting. Iron is used as alloys, steels, metal castings, catalyst, po'. The 'Significant routes of exposure' section has checkboxes for Human exposure (Oral, Dermal, By inhalation) and Environmental exposure (Water, Air, Solid waste, Soil). The 'Pattern of exposure' section has checkboxes for Accidental / infrequent, Occasional, and Continuous / frequent.

ITEM	TEXT TO BE ADDED	EXPLANATION
Information on uses	Heading only	
Uses by workers in industrial settings		<p>There is conflicting advice as to whether member registrants should select only certain uses or should select them all - the advice of the Iron Platform is to select them all so as not to have to modify the dossier in the future when a new use is entered into.</p> <p>The Iron Platform will make available an IUCLID file containing all the uses for Iron compounds which you can upload to your IUCLID file and then copy/paste in the corresponding fields of your substance file.</p> <p>If you wishes to specify only certain uses, create a block here by clicking on the "Add" button and tick the relevant options.</p>
Substance supplied to that use in form of	As such	Select "As such" from drop down list - see screenshot above.
Subsequent service life relevant for that use?	Yes	Select "Yes" from drop down list - see screenshot above.
Uses by professional workers		This is not relevant in this case so do not create a block here and leave this section blank.
Uses by consumers		This is not relevant in this case so do not create a block here and leave this section blank.
Closed system		This box should be ticked when the substance is used in a closed system, such as the use of liquids in hydraulic systems, cooling liquids in refrigerators and lubricants in engines and dielectric fluids in electric transformers and oil in heat exchangers.
Justification why no identified uses are reported		Leave blank - unless you have not added uses above in which case use this field to explain why.
Most common technical function of substance		<p>Either include the same list as given by the Lead Registrant or make your own list as appropriate.</p> <p>Lead Registrant's list:</p> <ul style="list-style-type: none"> • Intermediates • Food/feedstuff additives • Pharmaceutical substance • Plating agents and metal surface treating agents • Processing aid, not otherwise listed

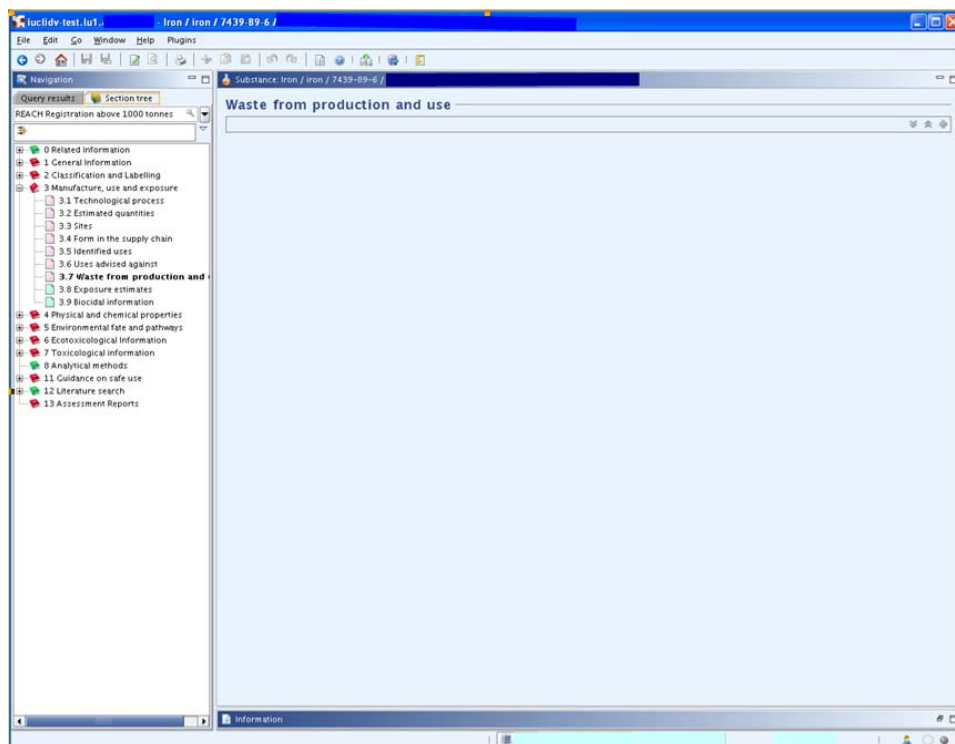
ITEM	TEXT TO BE ADDED	EXPLANATION
		<ul style="list-style-type: none"> • Laboratory chemicals • Fillers • Colouring agents, pigments • other: Iron Furnace is used as feedstock for crude steel production and ferrous casting. Iron is used as alloys, steels, metal castings, catalyst, powder metallurgy, extenders, nutritional supplements and pharmaceutical applications.
Significant routes of exposure		<p>Either tick the same boxes as the Lead Registrant or make your own selection as appropriate. The Lead Registrant has ticked the following boxes:</p> <p>Human exposure:</p> <ul style="list-style-type: none"> • Oral • Dermal • By inhalation <p>Environmental exposure:</p> <ul style="list-style-type: none"> • Water • Air • Solid waste • Soil <p>Pattern of exposure:</p> <ul style="list-style-type: none"> • Continuous / frequent

3.6 USES ADVISED AGAINST



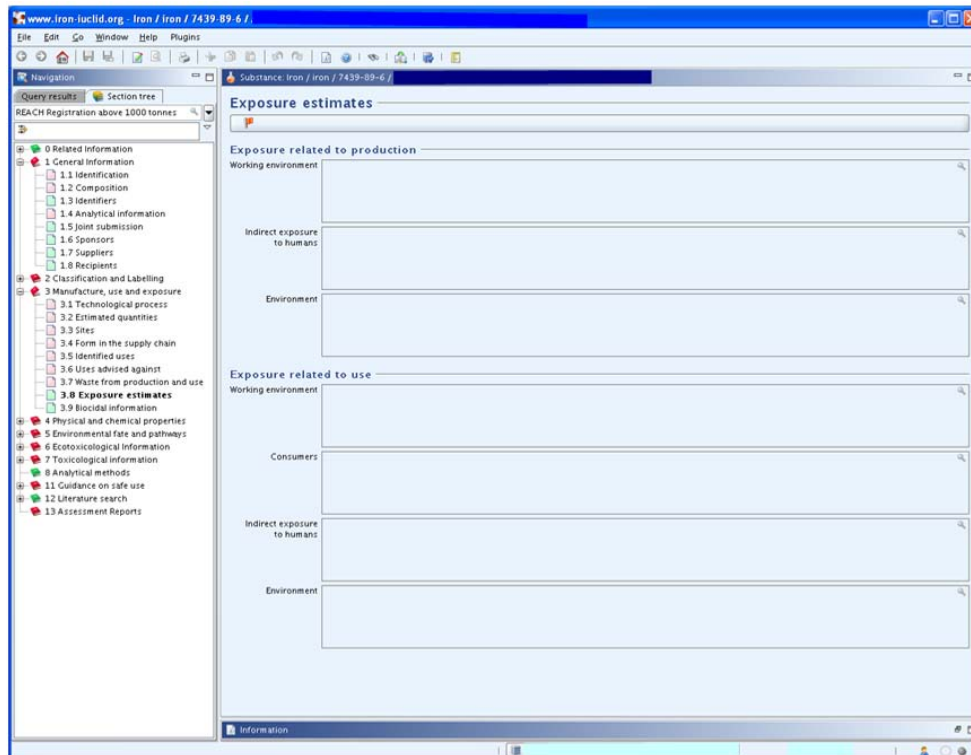
Do not create a block for Section 3.6 and leave it blank as there are no uses advised against.

3.7 WASTE FROM PRODUCTION AND USE



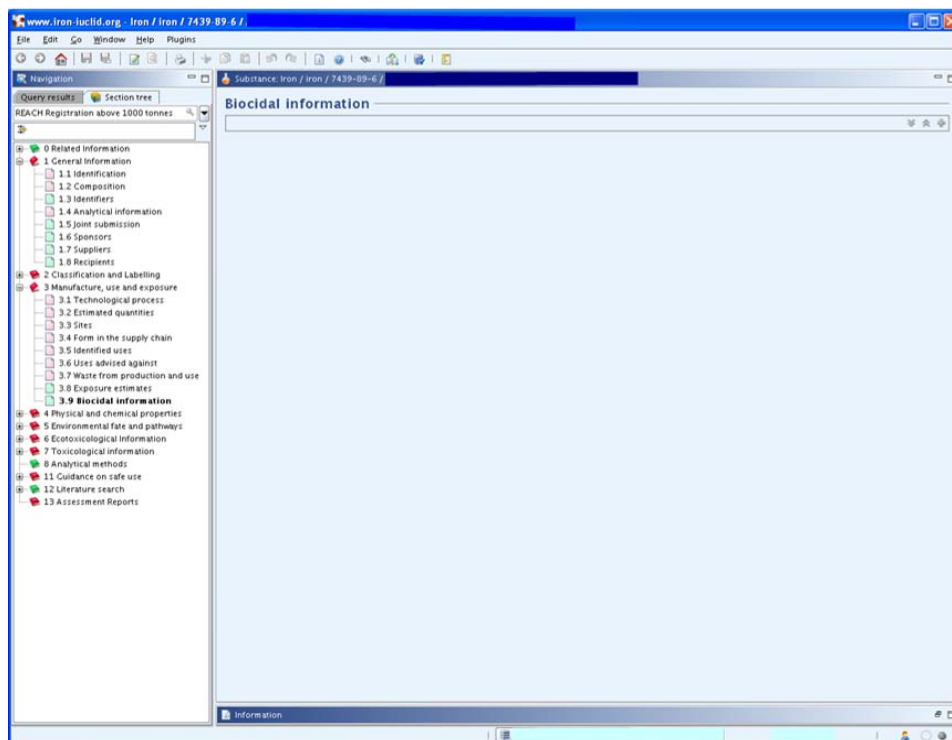
Section 3.7 should be left blank - do not create a block for it.

3.8 EXPOSURE ESTIMATES



Section 3.8 should be left blank as this substance is not classified for environmental and human health endpoints - do not create a block for it.

3.9 BIOCIDAL INFORMATION



Section 3.9 should be left blank as it is not relevant in this case - do not create a block for it.

Before submitting your dossier, do not forget to:

1. check your substance file with the TCC Tool plug-in:
 - ⇒ If TCC fails, create a new substance file
 - ⇒ If TCC passes, go to the next step
2. create a dossier by right clicking on your substance
3. check your dossier file
 - ⇒ If TCC fails, create a new dossier file
 - ⇒ If TCC passes, go to the next step
4. export your dossier file on your computer by right clicking on the dossier
5. open your account on ECHA REACH-IT
6. if the dossier file size is larger than 20MB => request a large file access code before submission on ECHA REACH-IT [it is normally immediate and you will receive the code in your REACH-IT message box]
7. follow the prompts to submit your dossier file [for more detailed information, please consult the [ECHA Guidance on submission](#)]

After submission:

1. check your message box in ECHA REACH-IT to follow progress of ECHA's 14 dossier examination steps via the submission report;
2. take the necessary actions, for example paying the registration fee.

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