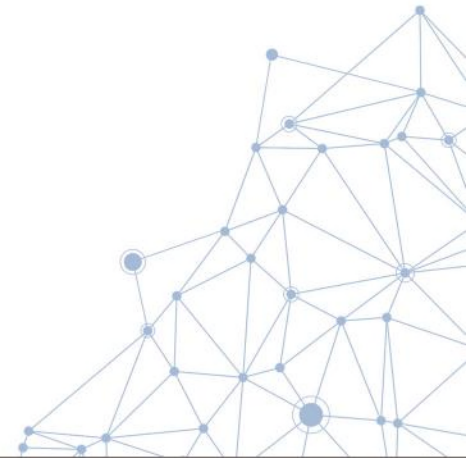


Walbro IMDS/CDX Instructions

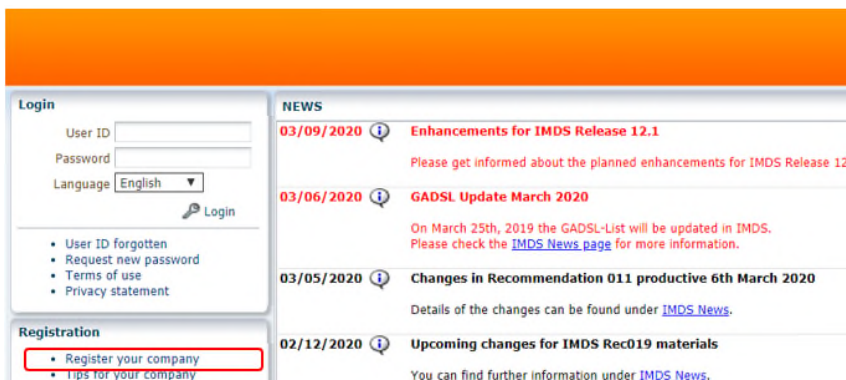
1. How to Register your Company and Log in
2. MDS Types (Components, Semi-components, Materials)
3. How to Create a Component
4. How to Create a Semi-Component
5. How to Create a Material
6. How to Submit MDS to Walbro



1. How to Register your Company in IMDS/CDX

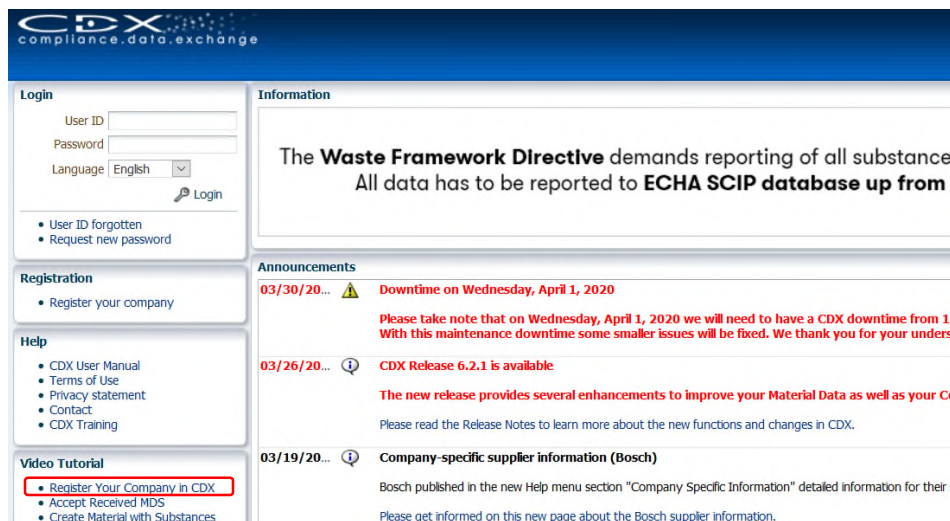
IMDS

Go to: www.mdsystem.com and click Login



CDX

Go to: www.cdssystem.com and click CDX Login



How to Register your Company in IMDS/CDX (cont.)

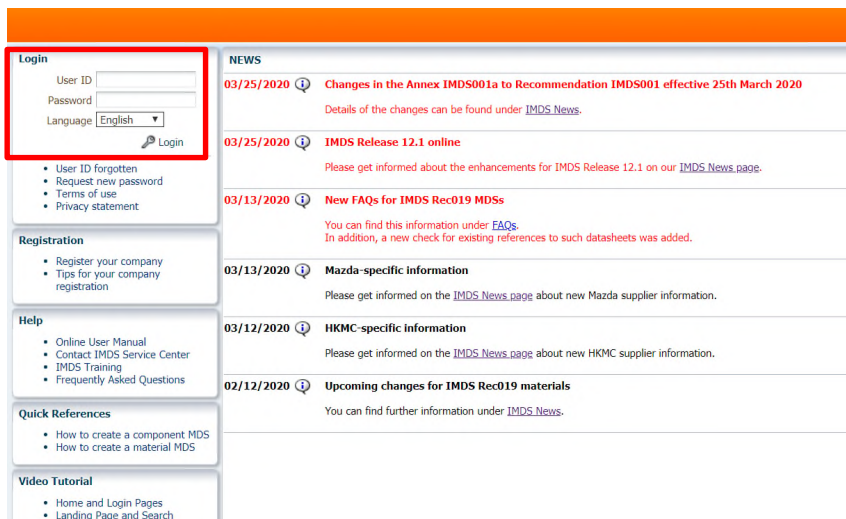
- Click on “Register your Company” and complete the fields and click “**Next**”. (Only register once you have confirmed that your company is not already registered.)
- A window will open asking you to confirm the registration request (IMDS) or if Login should be created (CDX)
- Once confirmed, your IMDS/CDX Credentials will be displayed: Copy your credentials and store them in a safe place as **they will not be displayed again**.
- You will receive an e-mail containing a link to activate your new company in IMDS/CDX. **You will need to use this URL to activate the company before you can log into IMDS/CDX.** If you do not receive an e-mail, please check your Junk/Spam folders.
- Click the URL link from the e-mail to open up the Activation window. Click “Activate” to complete the registration.



How to Log into IMDS/CDX

IMDS

Go to: www.mdsystem.com and click Login
Enter your User ID and Password and click Login



Login

User ID

Password

Language English

- User ID forgotten
- Request new password
- Terms of use
- Privacy statement

Registration

- Register your company
- Tips for your company registration

Help

- Online User Manual
- Contact IMDS Service Center
- IMDS Training
- Frequently Asked Questions

Quick References

- How to create a component MDS
- How to create a material MDS

Video Tutorial

- Home and Login Pages
- Landing Page and Search

NEWS

03/25/2020 **Changes in the Annex IMDS001a to Recommendation IMDS001 effective 25th March 2020**
Details of the changes can be found under [IMDS News](#).

03/25/2020 **IMDS Release 12.1 online**
Please get informed about the enhancements for IMDS Release 12.1 on our [IMDS News](#) page.

03/13/2020 **New FAQs for IMDS Rec019 MDSs**
You can find this information under [FAQs](#).
In addition, a new check for existing references to such datasheets was added.

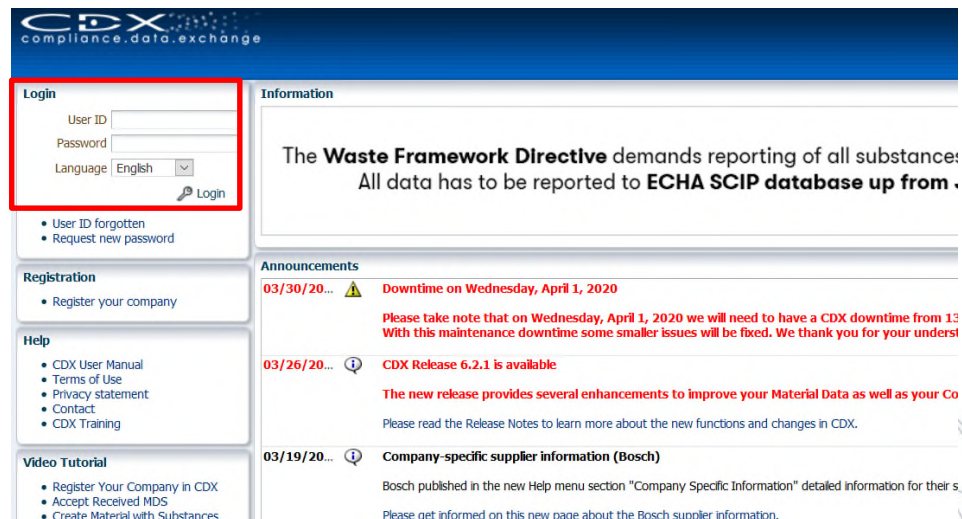
03/13/2020 **Mazda-specific information**
Please get informed on the [IMDS News](#) page about new Mazda supplier information.

03/12/2020 **HKMC-specific information**
Please get informed on the [IMDS News](#) page about new HKMC supplier information.

02/12/2020 **Upcoming changes for IMDS Rec019 materials**
You can find further information under [IMDS News](#).

CDX

Go to: www.cdxsystem.com and click CDX Login
Enter your User ID and Password and click Login



CDX
compliance.data.exchange

Login

User ID

Password

Language English

- User ID forgotten
- Request new password

Registration

- Register your company

Help

- CDX User Manual
- Terms of Use
- Privacy statement
- Contact
- CDX Training

Video Tutorial

- Register Your Company in CDX
- Accept Received MDS
- Create Material with Substances

Information

The **Waste Framework Directive** demands reporting of all substance:
All data has to be reported to **ECHA SCIP database** up from .

Announcements

03/30/20... **Downtime on Wednesday, April 1, 2020**
Please take note that on Wednesday, April 1, 2020 we will need to have a CDX downtime from 13:00 to 15:00. With this maintenance downtime some smaller issues will be fixed. We thank you for your understanding.

03/26/20... **CDX Release 6.2.1 is available**
The new release provides several enhancements to improve your Material Data as well as your Company Information.
Please read the Release Notes to learn more about the new functions and changes in CDX.

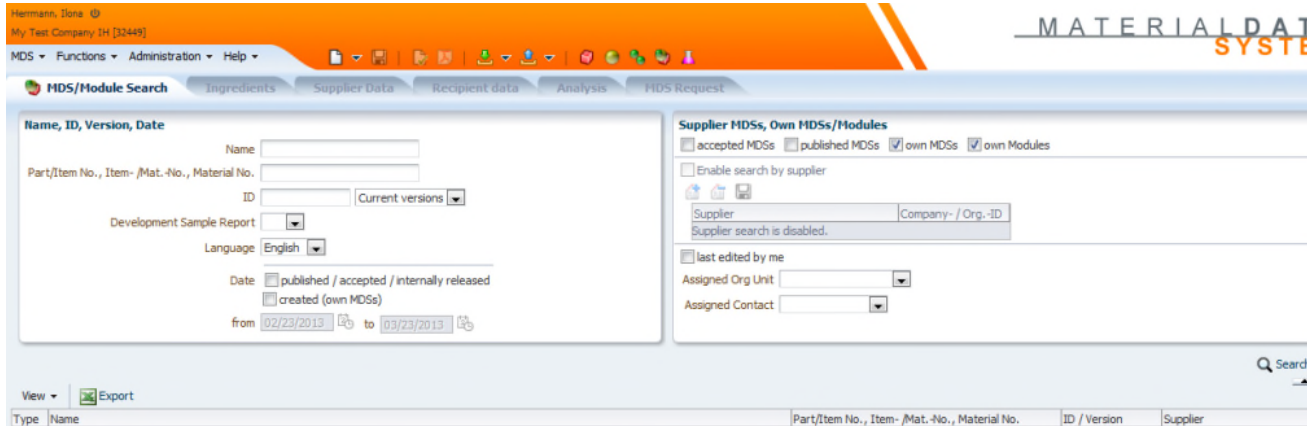
03/19/20... **Company-specific supplier information (Bosch)**
Bosch published in the new Help menu section "Company Specific Information" detailed information for their suppliers.
Please get informed on this new page about the Bosch supplier information.

Note: After logging in for the first time, you will be prompted to read and accept the Terms of Use and to change your password.

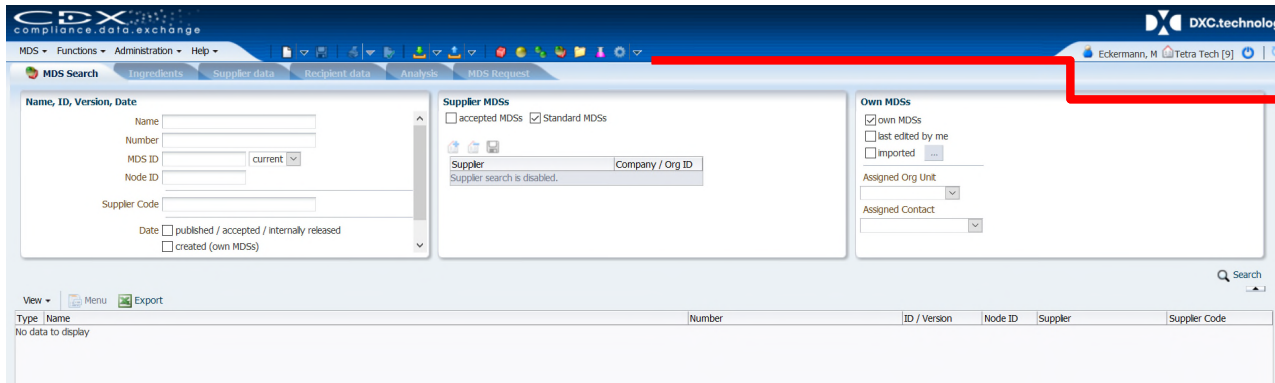
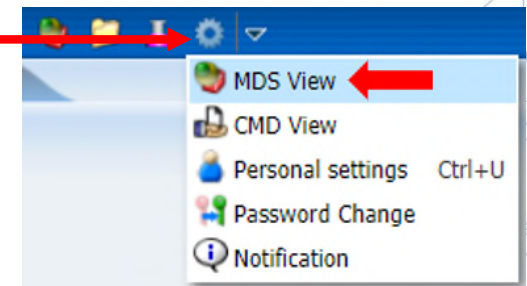
How to log in in IMDS / CDX (cont.)

Once logged in, you will see the main primary screen

IMDS






CDX - Please be sure to select the MDS View as shown below

2. IMDS/CDX Material Data Sheet (MDS) Types

The following symbols represent the building blocks of your product in IMDS/CDX.

| MDS Type | Description | Can be attached to | Can have child nodes | Has weight field |
|---|---|--|-------------------------------------|------------------|
| Material  | Represents a homogeneous structure – if a slice were taken through the item, there would be no layers or visible differentiation (exception for electronic components). | Materials, Semi-Components, Components | Material, Substance | No |
| Semi-Component  | Similar to a material, this represents a structure that will require further processing before it is assembled and given a final weight. Examples are a steel blank or a coated wire. Usage is by length, by volume, or by area. | Semi-Components, Components | Semi-Component, Material | No |
| Component  | Used to represent an assembly or component with a defined weight and used in whole number quantities. Examples include a bolt, an engine block, a seat, etc. The weight of a Component MDS is defined at creation and cannot be reduced in the structure. | Components | Component, Semi-Component, Material | Yes |



Datasheet Types - Definitions



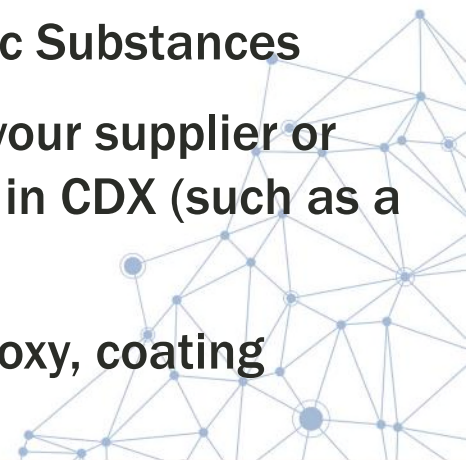
Basic Substance –already loaded in IMDS/CDX

- all known elements and chemicals identified with a unique CAS#
- also includes “pseudo-substances” associated with polymeric materials for which no specified CAS# is necessary, i.e. PP, ABS, PET, etc.
- creation of new basic substance is not permitted or functionally possible; contact DXC.technology IMDS/CDX Service Center

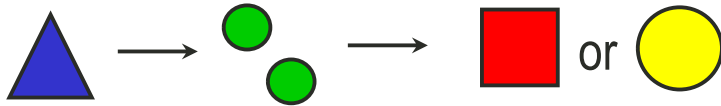


Material – raw, nonfunctional materials; comprised of Basic Substances

- can be created “internally” by companies, submitted by your supplier or “published” in IMDS (such as by the IMDS-Committee) or in CDX (such as a Standard MDSs)
- Examples of materials: steel, brass, rubber, adhesive, epoxy, coating



Datasheet Types – Definitions (cont.)

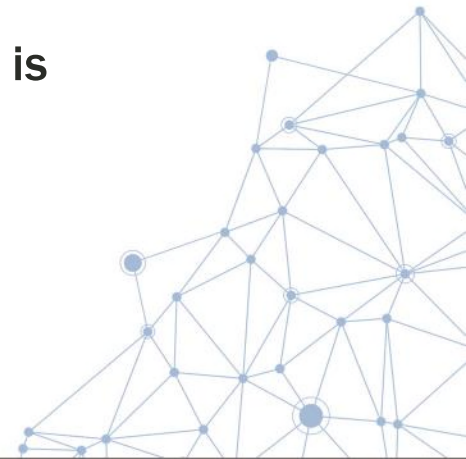


Components – functional part or assembly within a product; has a *defined weight* when manufactured by supplier and as incorporated into the next assembly step by customer; created from one or more Materials which define the weight of the part (10g bolt = 10g steel)


e.g. clip, grommet, bolt, seat assembly, engine assembly

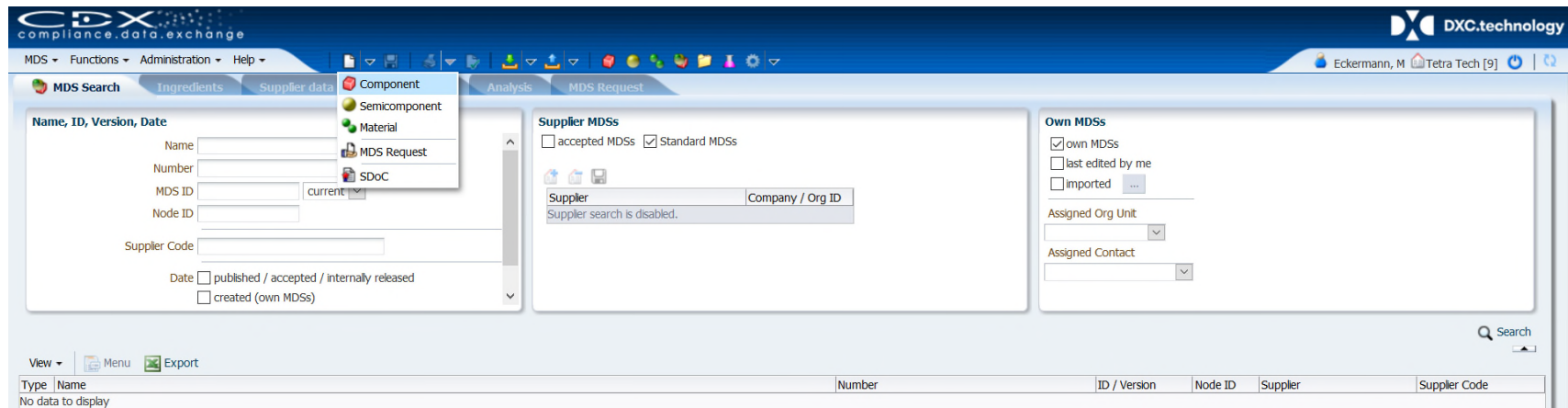
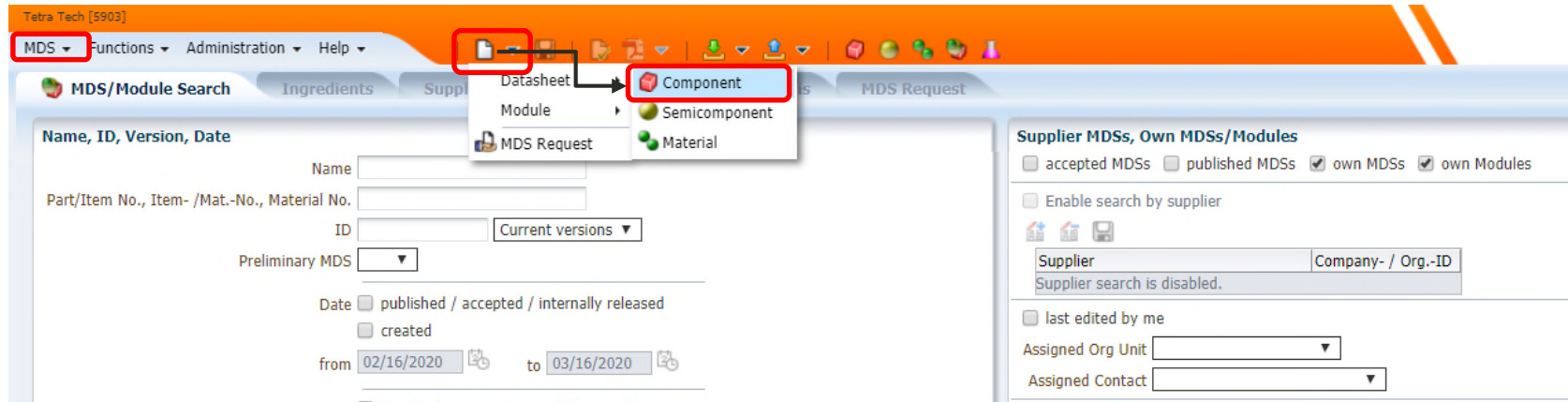
Semicomponent – is NOT a “sub-component” in IMDS; a functional part within a product; final weight in an assembly is only defined when it is further *processed to size* by the customer, not supplier; created from one or more Materials

e.g. roll of tape, roll of Velcro, spool of electrical wire



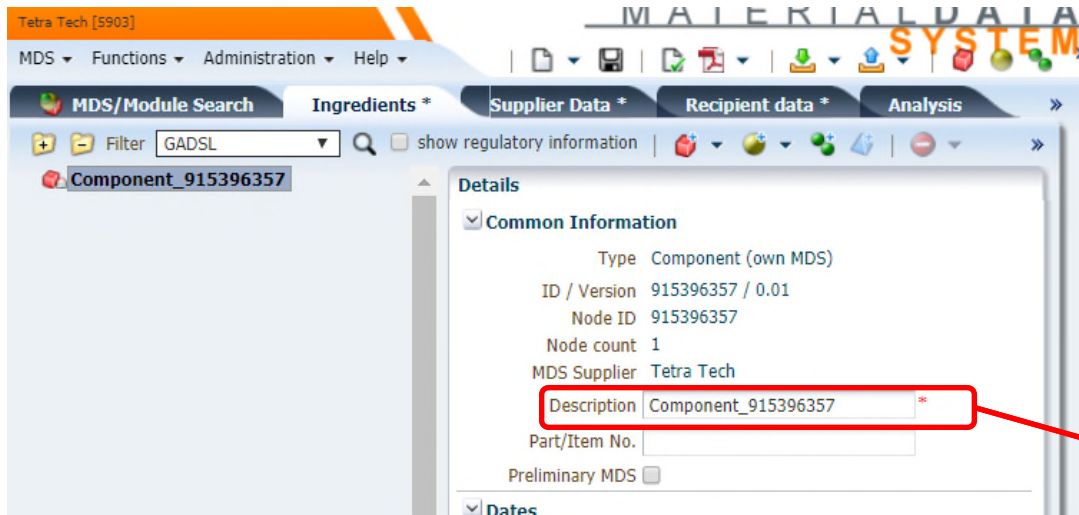
3.How to Create a Component in IMDS/CDX – STEP 1

- Click the white Page icon  and select > Datasheet (IMDS) > Component
- Or select MDS > New > Datasheet (IMDS) > Component from the top banner menu options.



How to Create a Component in IMDS/CDX – STEP 2

- Enter the Part Name in the “**Description**” field.
- Click in the “**Part/Item No.**” field to enter your component Company Part Number.
- CDX – Note: Several part numbers can be assigned to a single datasheet. This is for part families when the weights and materials are identical.
- Enter the measured weight of the part (milligrams, grams, or kilograms, or tons (CDX)
- CDX – Note: After components/materials are attached, revisit the “Regulations” section to ensure all regulatory responses (such as RoHS/ELV exemptions) have been provided.



Tetra Tech [5903]

MDS ▾ Functions ▾ Administration ▾ Help ▾

MDS/Module Search Ingredients * Supplier Data * Recipient data * Analysis >>

Filter GADSL 🔍 show regulatory information

Component_915396357

Details

Common Information

Type Component (own MDS)

ID / Version 915396357 / 0.01

Node ID 915396357

Node count 1

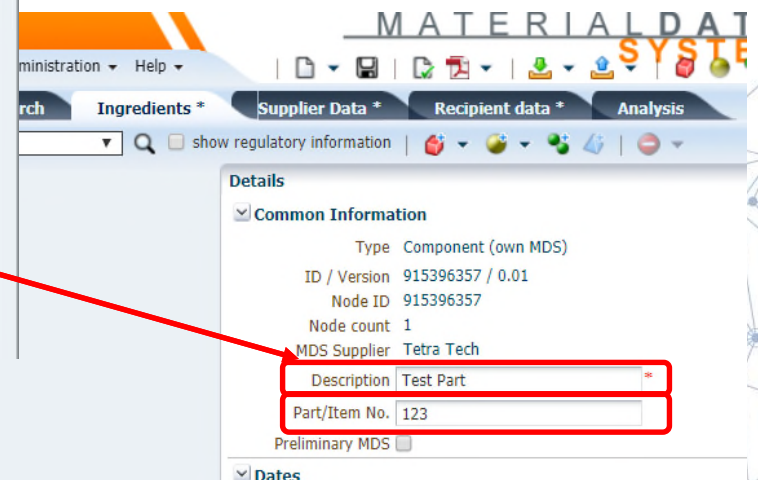
MDS Supplier Tetra Tech

Description Component_915396357 *

Part/Item No.

Preliminary MDS ☐

Dates



MATERIAL DATA SYSTEM

Administration ▾ Help ▾

Search Ingredients * Supplier Data * Recipient data * Analysis >>

show regulatory information

Details

Common Information

Type Component (own MDS)

ID / Version 915396357 / 0.01

Node ID 915396357

Node count 1

MDS Supplier Tetra Tech

Description Test Part *

Part/Item No. 123

Preliminary MDS ☐

Dates

How to Create a Component in IMDS/CDX – STEP 3

- For simple components, Click the Add Material Reference icon.
- For complex components, Click the Add Component or Semi-component Reference
- A new search window will open.



Tetra Tech [5903]

MDS ▾ Functions ▾ Administration ▾ Help ▾

MDS/Module Search Ingredients * Supplier Data * Recipient data * Analysis MDS Request

Filter GADSL 🔍 show regulatory information

Test Part

Details

Common Information

Type Component (own MDS)

ID / Version 915396357 / 0.01

Node ID 915396357

MDS - MATERIAL DATA SYSTEM

Name, ID, Version, Date

Name

Internal Mat.-No.

ID

Preliminary MDS

Date ☐ published / accepted / internally released ☐ created

from 02/16/2020 to 03/16/2020

Regulation Request ☐ Received request for regulation update

from 02/16/2020 to 03/16/2020

Norm, Symbol, Classification

Trade name

Std. Mat.-No.

Symbol

Norm

Classification

Supplier MDSs, Own MDSs/Modules

☐ accepted MDSs ☐ published MDSs ☒ own MDSs ☒ own Modules

☐ Enable search by supplier ☒ Preferred MDSs

Supplier search is disabled.

Supplier

Company - / Org.-ID

last edited by me

Assigned Org Unit

Assigned Contact

☐ obsolete

View ▾ Menu Export

| Type | Name | Symbol | Trade name | Std. Mat.-No. | Internal Mat.-No. | ID / Version | Supplier | Received reg. requests | Date of first request |
|--------------------|------|--------|------------|---------------|-------------------|--------------|----------|------------------------|-----------------------|
| No data to display | | | | | | | | | |

Total records found 0

Apply Cancel

How to Create a Component in IMDS/CDX – STEP 4

Options for adding a material:

OPTION 1: Search for IMDS Committee published materials or CDX Standard Materials:

- Under the “**Supplier MDSs, Own MDSs/Modules**” area uncheck the “**accepted MDSs**”, “**own MDSs**”, and “**own Modules**”.
- Check the “**published MDSs**” box, and the “**Enable search by supplier box**” (IMDS), or Check the “**Standard MDSs**” box (CDX)
- Enter your search criteria in the appropriate field (s).

IMPORTANT: Searching with wildcards, i.e. *, before and after the will help you find the substance faster.

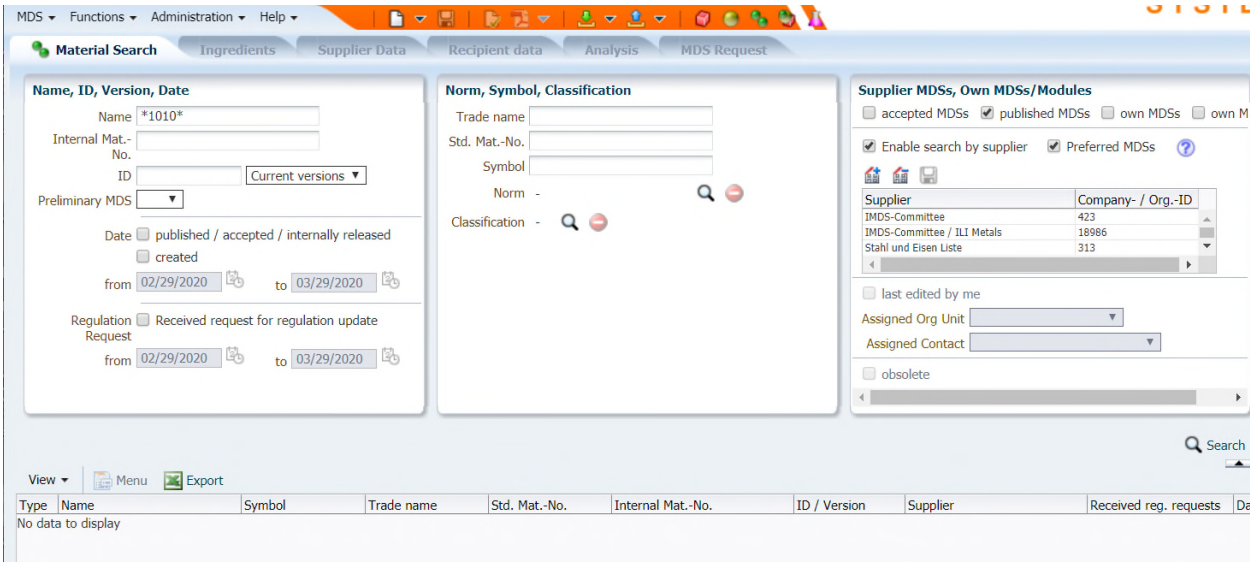
OPTION 2: Search for Internally created materials:

- Under the “**Supplier MDSs, Own MDSs/Modules**” only check “**own MDSs**”.
- Enter your search criteria in the appropriate field(s).

OPTION 3: Search for supplier Accepted materials:

- Under the **Supplier MDSs, Own MDS/Modules** only check “**accepted MDSs**”
- Enter your search criteria in the appropriate field(s).

After selecting Option 1, 2, or 3, (or combination of Options) click “**Search**”. Highlight the material result and click “**Apply**”. Once applied, enter the weight of the material.



The screenshot shows the 'Material Search' window in the IMDS/CDX software. The interface includes a menu bar (MDS, Functions, Administration, Help) and a toolbar with various icons. The main search area is divided into three panels:

- Name, ID, Version, Date:** Contains fields for Name (*1010*), Internal Mat.-No., ID, and a 'Current versions' dropdown. It also has checkboxes for 'published / accepted / internally released' and 'created', and date range selectors (from 02/29/2020 to 03/29/2020).
- Norm, Symbol, Classification:** Contains fields for Trade name, Std. Mat.-No., Symbol, Norm, and Classification, each with a search icon.
- Supplier MDSs, Own MDSs/Modules:** Contains checkboxes for 'accepted MDSs', 'published MDSs', 'own MDSs', and 'own Modules'. It also has checkboxes for 'Enable search by supplier' and 'Preferred MDSs'. Below these is a table listing suppliers and their IDs.

The table in the 'Supplier MDSs, Own MDSs/Modules' panel is as follows:

| Supplier | Company- / Org.-ID |
|-----------------------------|--------------------|
| IMDS-Committee | 423 |
| IMDS-Committee / ILI Metals | 18986 |
| Stahl und Eisen Liste | 313 |


At the bottom of the window, there is a 'View' dropdown, a 'Menu' button, and an 'Export' button. The status bar at the very bottom shows 'Type Name Symbol Trade name Std. Mat.-No. Internal Mat.-No. ID / Version Supplier Received req. requests Dat' and 'No data to display'.

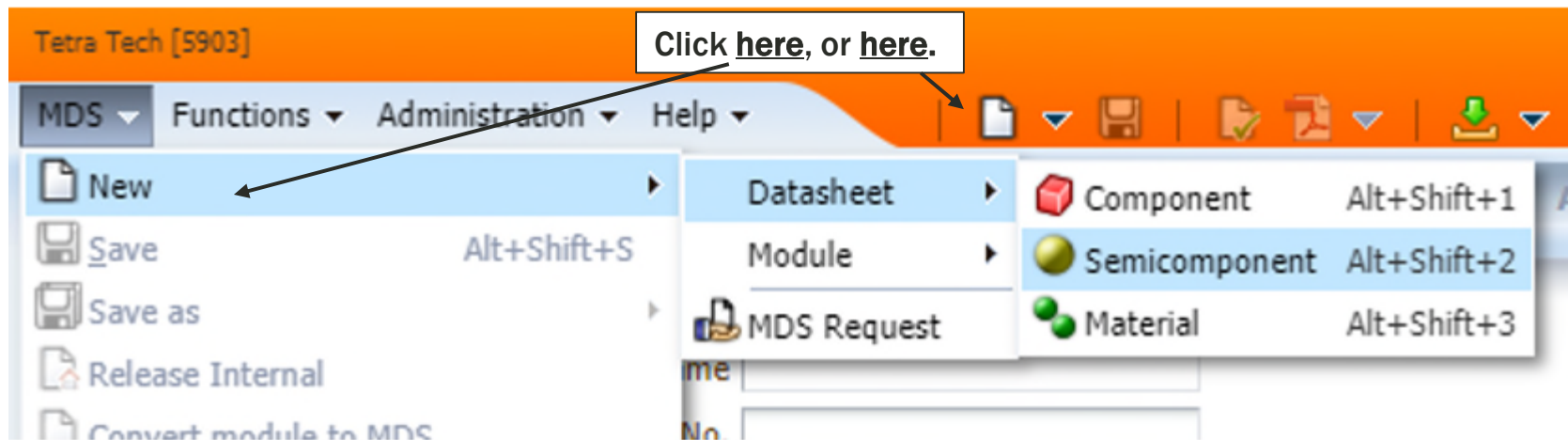
4. How to Create a Semi-Component in IMDS/CDX – STEP 1

OPTION 1:



- Click the MDS dropdown menu:
- Select > New > Datasheet (IMDS) > Semicomponent

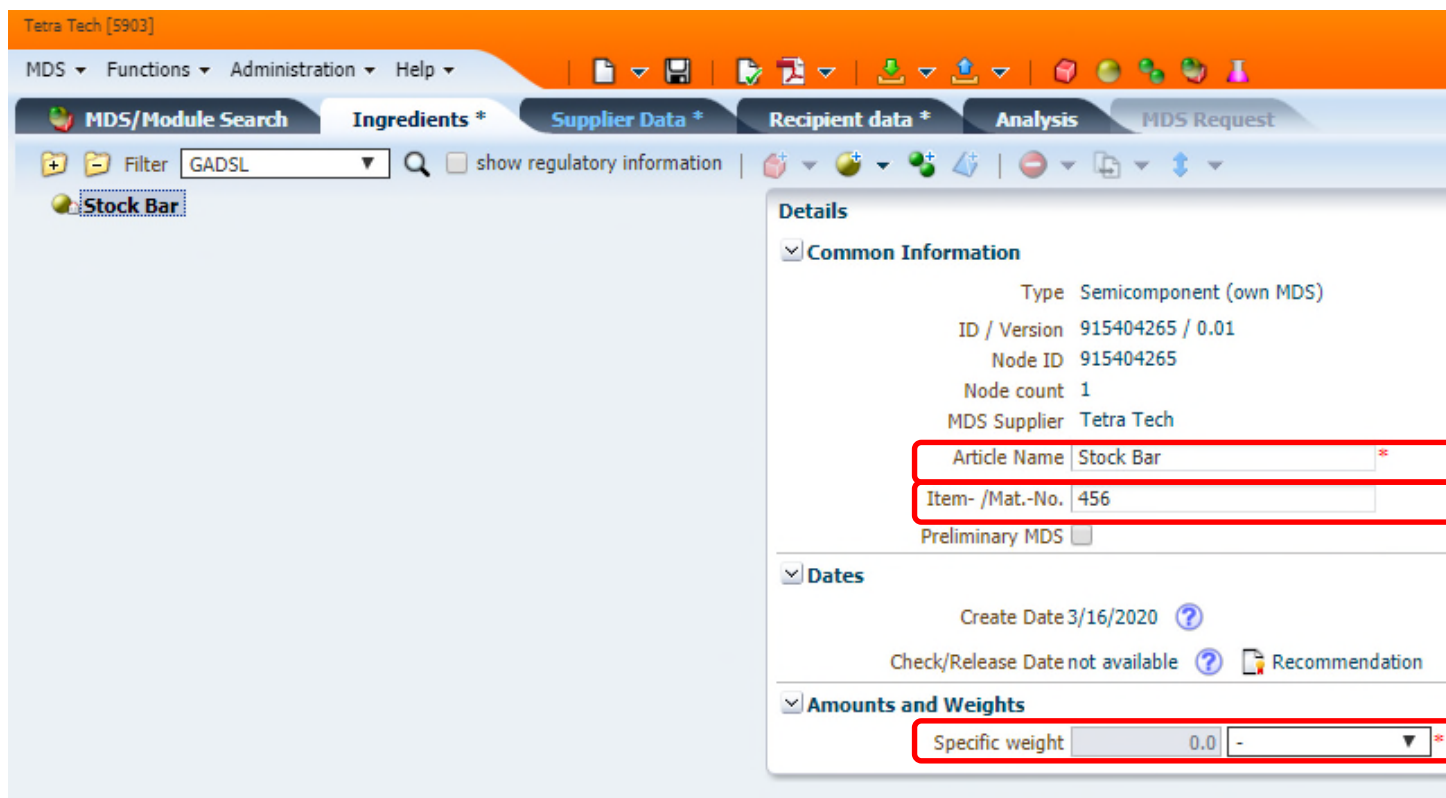
OPTION 2:

- Click on the blank page icon  on the top banner and Select > Semicomponent




How to Create a Semi-Component in IMDS/CDX – STEP 2

- Enter the Semicomponent “**Article Name**” in the “**Description**” field.
- Click in the “**Item- / Mat.-No./Item No.**” (IMDS) field or the green + icon  to enter your semi-component Company Part Number.
- Use the pull-down to select the unit of measure and enter the **Specific Weight**.
- Click on the Add Material Reference icon  to add a material (as described in the How to Create a Component section)
- After the material(s) is attached, enter the percent of each material used in the Semi-component.
- Follow the same steps described in the How to Submit MDS to submit or internally release the datasheet.



The screenshot shows the Tetra Tech [5903] software interface. The top menu bar includes MDS, Functions, Administration, and Help. Below the menu is a toolbar with various icons. The main window has tabs for MDS/Module Search, Ingredients*, Supplier Data*, Recipient data*, Analysis, and MDS Request. The 'Ingredients*' tab is active, showing a 'Filter' dropdown set to 'GADSL' and a 'show regulatory information' checkbox. A 'Stock Bar' button is visible. The 'Details' form is open, showing the following fields:

- Common Information:**
 - Type: Semicomponent (own MDS)
 - ID / Version: 915404265 / 0.01
 - Node ID: 915404265
 - Node count: 1
 - MDS Supplier: Tetra Tech
 - Article Name: Stock Bar *
 - Item- /Mat.-No.: 456 *
 - Preliminary MDS: ☐
- Dates:**
 - Create Date: 3/16/2020 ?
 - Check/Release Date: not available ?
 - Recommendation: 
- Amounts and Weights:**
 - Specific weight: 0.0 - *

5. How to Create a Material in IMDS/CDX – STEP 1

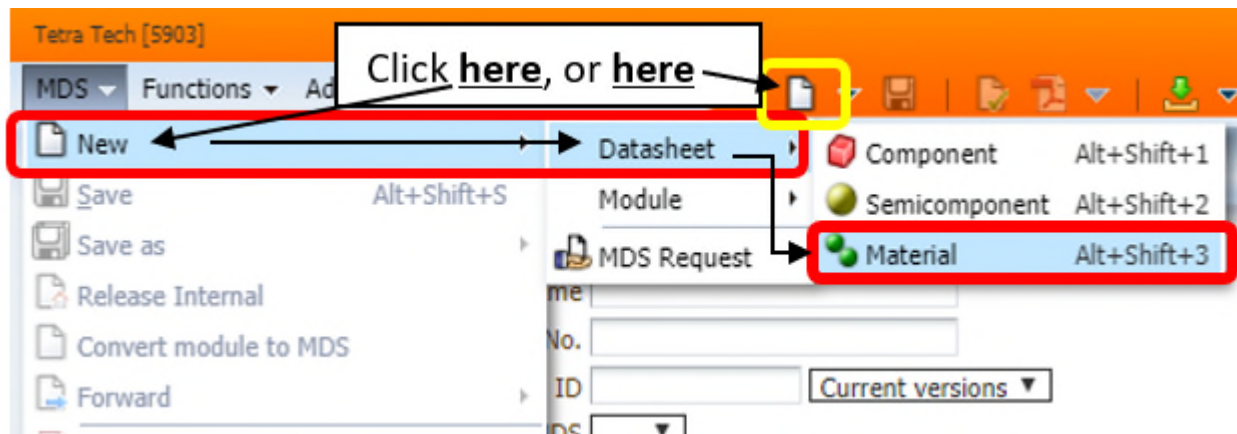
NOTE: Before creating your own material, please check if there is an appropriate material already published by the IMDS Steering Committee (IMDS) or as a Standard Material (CDX). In addition, you should NOT be creating a material if you are not the raw material manufacturer. The manufacturer should create the material and publish it OR submit it to your IMDS/CDX account.

OPTION 1:

- Click the MDS dropdown menu:
- Select > New > Datasheet > Material

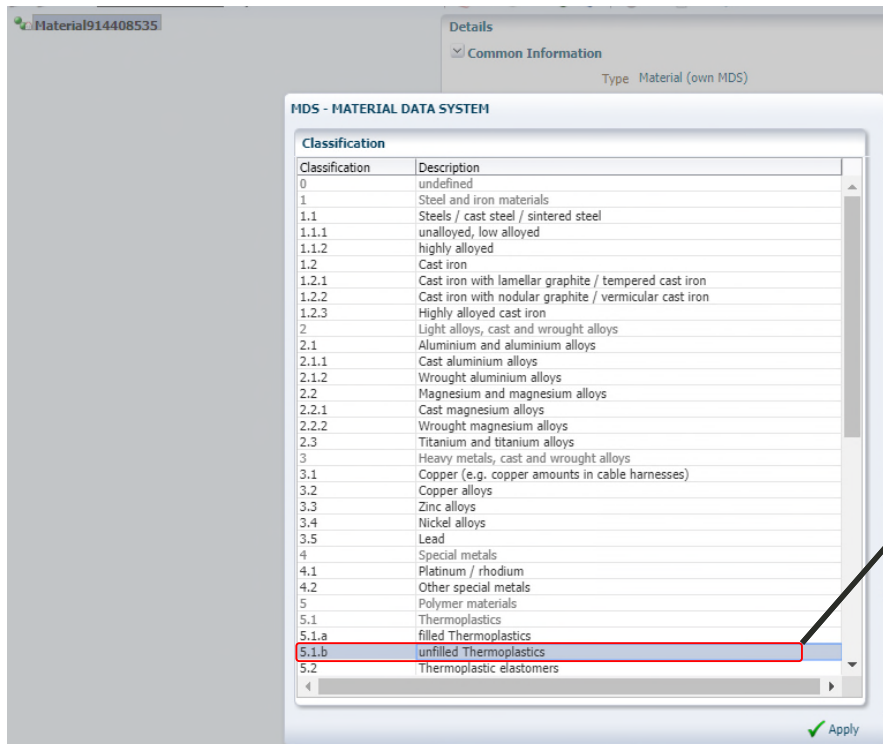
OPTION 2:

- Click on the blank page icon  on the top banner and Select > Material



How to Create a Material in IMDS/CDX – STEP 2

- Select the Material Classification
 - IMDS - From the pop-up window, select the type of material you wish to create from the material classification list. If selecting a polymeric classification, you may have to complete a second step before the material is created.
 - CDX – Click the green + symbol in the Classifications section of the datasheet.



MDS - MATERIAL DATA SYSTEM

Composition of the material symbol

The selected material classification permits creation of Name and Symbol field entries using dropdown selections derived from the IMDS Basic Polymer List. Therefore please select the symbols/abbreviated terms suitable for the material.

Classification unfilled Thermoplastics

Basic polymers ISO 1043-1 PA6

Plasticizers ISO 1043-3 (optional) ☐

Flame retardants ISO 1043-4 (optional) ☐

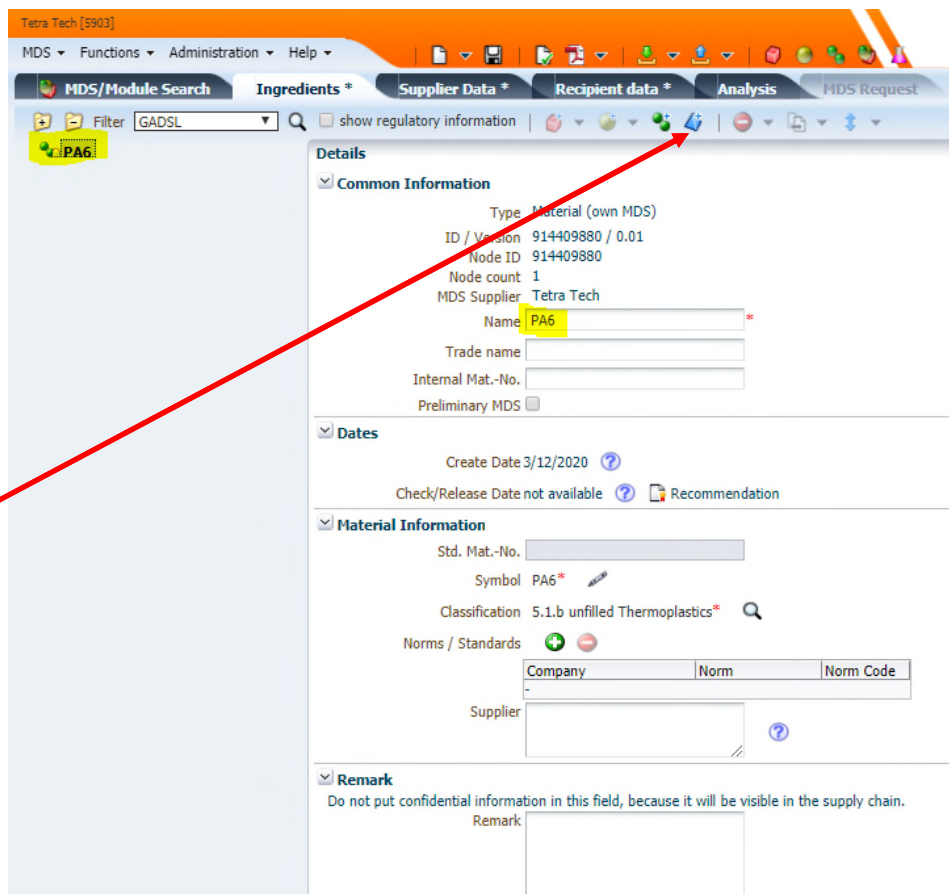
Composed symbol PA6

It is also possible to adapt the symbol manually (lowermost input field). This is necessary for materials with more than one filler (e. g. glassfibre GF and mineral powder MD). Example: PA6-(GF15+MD10); here you can add "(...+MD10)" manually.

OK

How to Create a Material in IMDS/CDX – STEP 3

- Your material Material Data Sheet (MDS) is now created and ready to be filled out. Please note that the red * in the “Details” box, specifies that information must be filled in.
- You can either keep the name of the material as generated from the previous process (IMDS) or you can edit it, as long as it still meets IMDS Recommendation 001.
- You may also choose to enter the “Trade name” of the material you are creating.
- Click the Add substance icon, to search for and Apply the substance(s) used in this material. Once applied, enter the percentage of the substance(s).
- Make sure to follow IMDS Recommendation 001 with regards to max % unspecified substances (IMDS). No more than 10% will be allowed (IMDS/CDX)
- Follow the same steps described in the How to Submit MDS to submit or internally release the datasheet.



Tetra Tech [5903]

MDS Functions Administration Help

MDS/Module Search Ingredients * Supplier Data * Recipient data * Analysis MDS Request

Filter GADSL show regulatory information

PA6

Details

☒ Common Information

Type: Material (own MDS)

ID / Version: 914409880 / 0.01

Node ID: 914409880

Node count: 1

MDS Supplier: Tetra Tech

Name: PA6 *

Trade name:

Internal Mat.-No.:

Preliminary MDS ☐

☒ Dates

Create Date: 3/12/2020

Check/Release Date: not available

☒ Material Information

Std. Mat.-No.:

Symbol: PA6 *

Classification: 5.1.b unfilled Thermoplastics *

Norms / Standards: ☒ ☐


| Company | Norm | Norm Code |
|---------|------|-----------|
| | | |

Supplier:

☒ Remark

Do not put confidential information in this field, because it will be visible in the supply chain.

Remark:







IMPORTANT NOTE: Please be sure to click the check button  before proposing the entry and address any warnings/errors that appear at the bottom of the screen. A check will also be run automatically when you propose the entry.

6. How to Submit MDS/CDX – STEP 1

- Click on the “**Supplier data***” tab on the top banner.
- The “**Company**” information is prepopulated when the MDS is created.
- Select the “**Contact Person**” from the dropdown selection box.

Tetra Tech [5903]

MDS ▾ Functions ▾ Administration ▾ Help ▾

 MDS/Module Search
  Ingredients *
  **Supplier Data ***
 Recipient data *
  Analysis
  MDS Request

Name Test Part | ID version 915396357 / 0.01 | Node ID 915396357 | Status Edit mode

Company

| | |
|--|--|
| Company Tetra Tech | Organisation unit Tetra Tech ▾ |
| Company ID 5903 | Company ID 5903 |
| DUNS Number - | DUNS Number - |
| Company Address 710 Avis Drive 48108 Ann Arbor Michigan US (United States) | Company Address 710 Avis Drive 48108 Ann Arbor Michigan US (United States) |

Contact Person


Contact Person Johnson, Tamela ▾

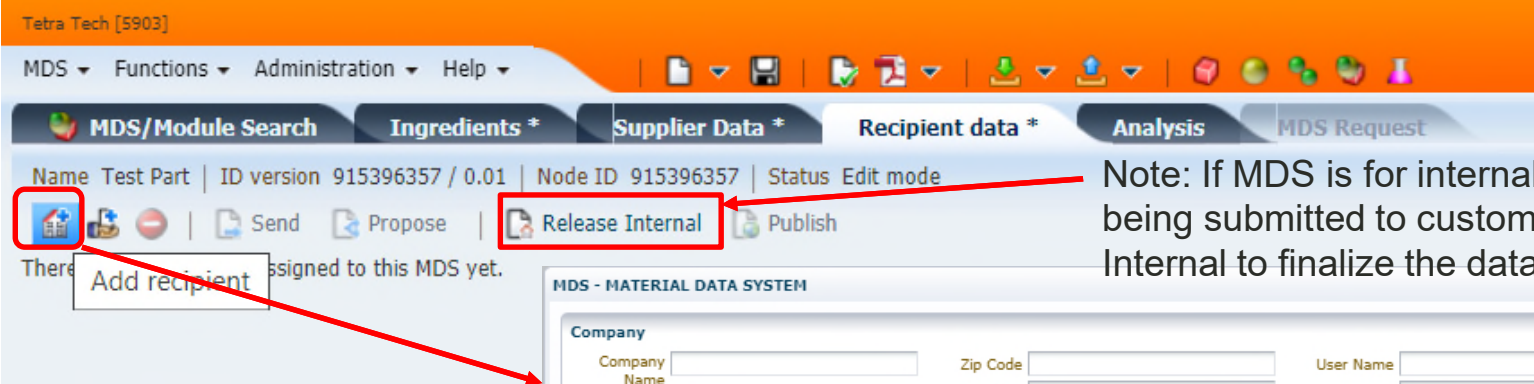
E-Mail tamela.johnson@tetratech.com

Telephone No. -

Fax No. -

How to Submit MDS/CDX – STEP 2

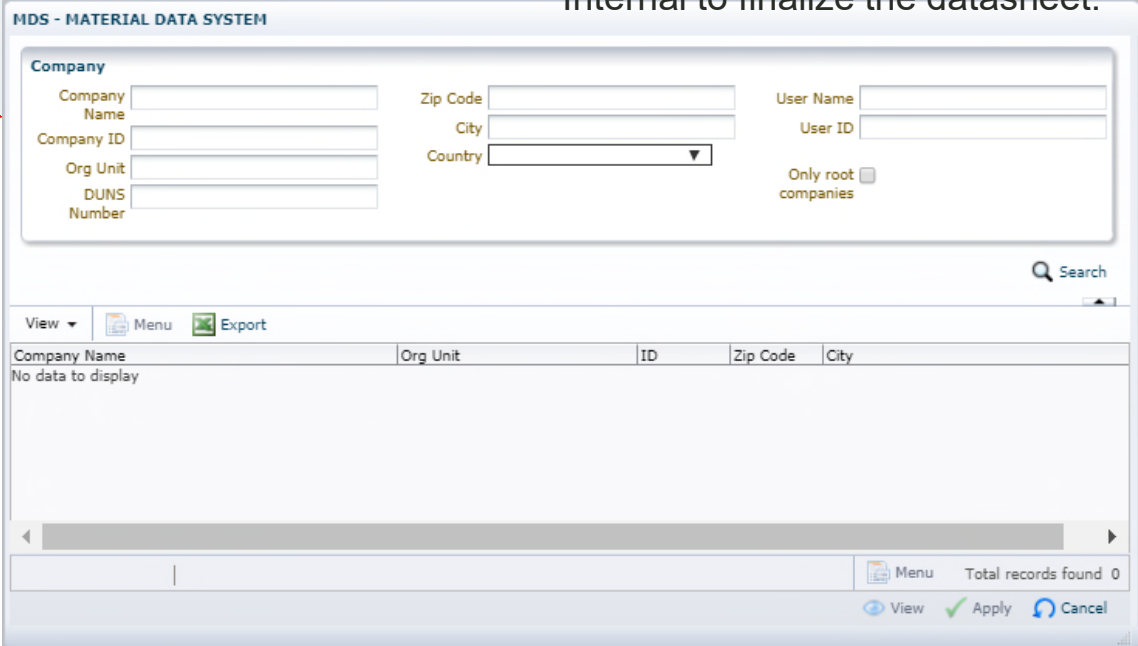
- Click on the “**Recipient data***” tab to prepare your MDS for submission to your customer.
- Click on the “Add recipient” icon 
- A new search window will open.



The screenshot shows the Tetra Tech MDS software interface. The top navigation bar includes 'MDS', 'Functions', 'Administration', and 'Help'. Below this, there are tabs for 'MDS/Module Search', 'Ingredients *', 'Supplier Data *', 'Recipient data *', 'Analysis', and 'MDS Request'. The 'Recipient data *' tab is selected. Below the tabs, there is a table with columns: Name, Test Part, ID version, Node ID, Status, and Edit mode. The table contains one row with the following data: Name (empty), Test Part (empty), ID version (915396357 / 0.01), Node ID (915396357), Status (empty), and Edit mode (empty). Below the table, there are several buttons: 'Add recipient' (highlighted with a red box), 'Send', 'Propose', 'Release Internal' (highlighted with a red box), and 'Publish'. A red arrow points from the 'Add recipient' button to a search window titled 'MDS - MATERIAL DATA SYSTEM'.

Note: If MDS is for internal use only (not being submitted to customer), click Release Internal to finalize the datasheet.

- Enter the Walbro “**Company ID**” (IMDS ID 61252 or CDX ID 5147) and click “**Search**”.
- Highlight the search result and click “**Apply**”



The screenshot shows the 'MDS - MATERIAL DATA SYSTEM' search window. It has a 'Company' section with fields for Company Name, Company ID, Org Unit, DUNS Number, Zip Code, City, Country, User Name, and User ID. There is also a checkbox for 'Only root companies'. Below this, there is a 'View' dropdown, a 'Menu' button, and an 'Export' button. A table with columns 'Company Name', 'Org Unit', 'ID', 'Zip Code', and 'City' is shown, with the message 'No data to display'. At the bottom, there is a 'Total records found 0' and buttons for 'View', 'Apply', and 'Cancel'.

How to Submit MDS/CDX – STEP 3

- If your customer or your CDX Administrator has activated the Confirmation/Regulation feature shown below, then please:
- After adding all the “**Recipient data***” information, click on the “**Ingredients**” tab again.
- In the “**Details**” window, on the right, go to the “**Confirmation**” section at the bottom of the screen and fill out the table below:

| Confirmation | | |
|-------------------------|----------------------|-------------------------|
| Regulation | Regulation complied? | Relevant data provided? |
| California Propositi... | Yes | Yes |
| REACH Annex XIV | Yes | Yes |
| REACH Annex XVII | Yes | Yes |
| REACH Candidate ... | Yes | Yes |
| RoHS | Yes | Yes |

Both columns must be showing “**YES**” for your CDX submission to be accepted. Please note that by selecting “**YES**”, you are indicating that you have disclosed regulated basic substances, if present, in your CDX datasheet.

IMPORTANT RoHS NOTE: Please also be sure to enter any relevant exemptions under the “**Scope: Recipients**” section by double-clicking in the empty Exemption cell (see yellow highlight below).

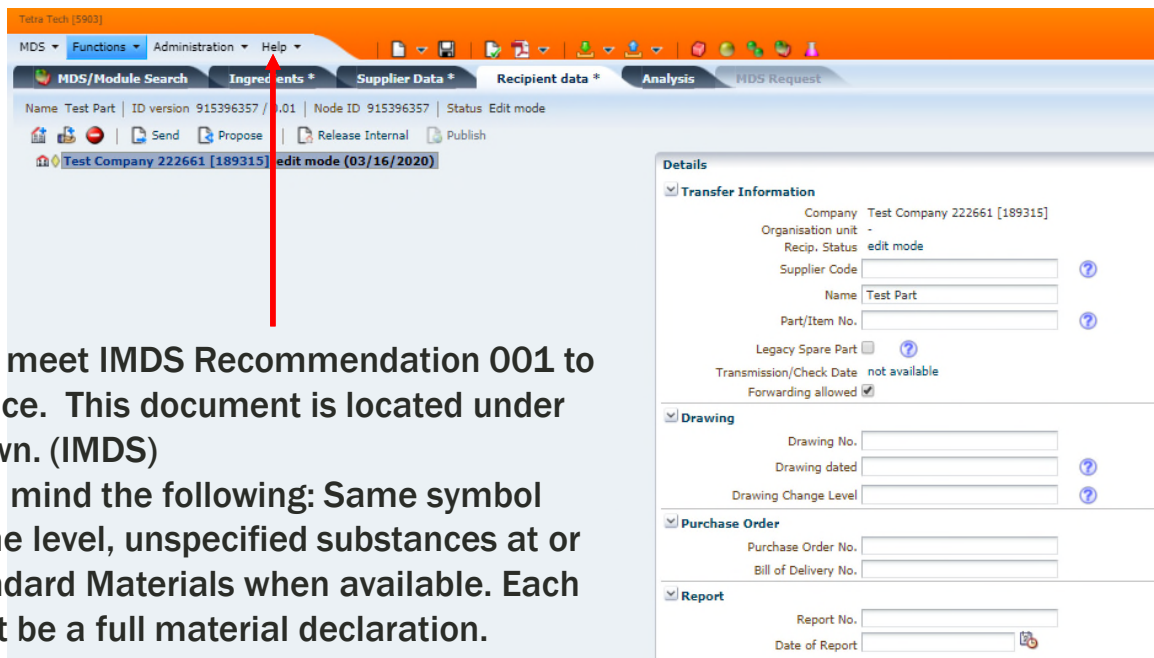
RoHS

Version: 2, Valid From: 11/04/2019 - Valid To: 11/27/2020
This regulation is also in scope for recipient company: [Walbro Co. Ltd.]
EC Declaration of Conformity attached ☐
Statement of manufacturer for RoHS attached ☐

| | Name | CAS No. | Date | D/P | Limit value / Restricti | Threshold | Entry | Portion | Weight | Material | Exemption |
|---|------|-----------|------|-----|-------------------------|-----------|-------|---------|--------|----------|-----------|
| e | Lead | 7439-92-1 | | P | 0.1% | 0.1% | | 0.1 % | 0.01 | ADC12 | |

How to Submit MDS/CDX – STEP 4

- The part name, “Name” will prepopulate based on the entry in the Ingredients tab. This field can be edited to reflect your customer’s specific name.
- Enter your customer’s “Part / Item No.”
- *Note: The Name and Part/Item No. entered here is what your customer will see when they open the MDS and view the Ingredients tab. They WILL NOT see the Name and Part/Item No. you entered in your Ingredients tab.*
- Complete the other fields as required by your customer.
- Click “Apply”
- Click “Propose”



Note: Data must meet IMDS Recommendation 001 to ensure acceptance. This document is located under the Help pull-down. (IMDS)

For CDX: Keep in mind the following: Same symbol attached as same level, unspecified substances at or below 10%, Standard Materials when available. Each submission must be a full material declaration.

Additional Support

- Tetra Tech offers turn-key IMDS/CDX project support. Please contact your Tetra Tech representative at walbro.productcompliance@Tetrattech.com for details.
- As of April 15, 2020, Tetra Tech also offers on-line IMDS Training (with CDX to be available soon). This is an 8 hour class that can be done on your own time, within a 30 days period. Note: IMDS and CDX are very similar, so attending IMDS training will still prove beneficial. Information regarding training may be found here...<https://sustainable-markets.com/>

