

CREATE MATERIAL WITH SUBSTANCES IN CDX

A Material is the lowest level of MDS a user can create. But since the CDX system is a material reporting system, your customer needs to know more than the name of the Material, they also need to know what is in the Material. Different industries have different requirements, so these instructions are for industries that want to know Material Classifications and other details about Material content. It should be noted that an MSDS (Material Safety Data Sheet) is not usually suitable for data because if you are going for full disclosure, you need to know what is in 100% of the Substances in the Material.

When you issue a New > Material command, you get a screen like the following. All mandatory fields are marked with *.

Only if your Material is marked as "Is Article" you need to enter a "Article Category". The Article Category is a prerequisite to upload an MDS to the SCIP database.

The screenshot displays the CDX MDS system interface. The top menu bar includes 'MDS', 'Functions', 'Administration', and 'Help'. Below the menu is a toolbar with icons for file operations and a search bar. The main window is titled 'MDS Search' and contains a list of materials on the left and a detailed form on the right. The form is for Material 13051845 and includes the following fields and sections:

- ID / Version:** 13051845 / 0.01
- Node ID:** 13051845
- Node Count:** 1
- MDS Supplier:** TruongOemMOF2
- 100% declaration:** ☐
- SCIP Compliance:** ☐
- External SCIP number:**
- Brand:**
- Type:**
- Model:**
- Is Article:** ☒
- Article Category:** (with a magnifying glass icon for search)
- Default Article Category for subcomponents:** (with a magnifying glass icon for search)
- Name(s):**
- Identifier(s):**
- Dates:**
- Query Lists:**
- Product Business Info:**
- Classifications *:**
- Material Information:**
- Norms / Standards:**
- Remark:**
- Attachment:**
- Where used:**

With the magnifier you can also search for an Article Category.

Additional name(s) describing how your company refers to this MDS in their own terms.

Internal Material No. describing how your company refers to this Material in numeric terms.

Additional Identifier(s) describing how your company refers to this MDS in numeric terms, you can add multiple identifiers.

Article Category

...

Default Article Category for subcomponents

...

Name(s)

Name

Material_13039035

*

Additional Names

Name

-

Identifier(s)

Internal Material No.

Choose File

No file chosen

Internal Material No.

No number assigned

*

Additional Identifiers

Identifier Type

Identifier Value

-

Dates

Sometimes it is very important to know when the MDS was created and the dates of the last change. The next section contains system generated information:

Dates

Creation date

5/16/2025

Release Date

-

Check Date

-

Query Lists

This area contains a list of query statements about the products being declared. These queries are set by Regulations in scope and can differ depending on regulations in scope of the declaration.

Query Lists

PROD: REACH Candidate List - EUREACH-0615 - IPC - EUREACH-0615 - 1.0 - 15.06.2015

Product(s) is obsolete, no information is available

Product(s) does not contain EU REACH Candidate List substances above the thresholds specified in the REACH Regulation

Product(s) is unknown, no information is available

PROD: REACH Candidate List - EUREACH-0119 - IPC - EUREACH-0119 - 15.01.2019

Product(s) is unknown, no information is available

Product(s) does not contain EU REACH Candidate List substances above the thresholds specified in the REACH Regulation

Product(s) is obsolete, no information is available

PROD: AD-DSL - ADQL-0318 - IAEG - ADQL-0318 - 1.0 - 31.01.2019

Product Business Info

Product Business Info is only relevant in Component MDS

Classifications

The Material Classification is mandatory for Material type datasheets. The information is stored in this area. Requirements for this field are Industry Dependent.

Clicking on the will open a menu where you can select which industry classifications to which you are reporting.

All other fields are optional.

Detailed instructions can be found in the CDX User Manual > Create a Material.

Add the Ingredients

Once the basic information is given, you will need to add the ingredients. You have two options to create your tree structure: Use the “Add Material”,

or “Add a Basic Substance reference” button on the upper right.



Referencing means that the MDS will be linked to another MDS or Basic Substance which you attach by going through a Search.

Node means that the structure is only available in this MDS and not available for attaching to other structures.

Attaching Basic Substances

In this case, we're going to add a Basic Substance . You can limit your search with several criteria, e.g., searching only for Basic Substances included in a specific Basic Substance Group or list. Here you can choose, if you want to search in a "Global Substance List" or a "Company Specific Substance List". We have searched in the Global – Basic Polymer Group:

Name	CAS No.	EU-Index	Einecs-No.	IAEG Code	Node ID	Synonym
1,2,3-Trichloro-3,3-difluoropropane	666-25-1	-	-	-	29987	-
1,2,3-Trichloro-1,1,2-trifluoropropane	421-95-4	-	-	-	109095	-
1,2,3-Trichloro-3,4,4,5,5-pentafluorocyclopent-1-ene	3824-97-3	-	-	-	95083	1,2,3-Trichloro-3,4,4,5,5-pentafluorocyclopent-1-ene
1,2,3-Trichlorobenzene	87-61-6	-	201-757-1	-	7238	Benzene, 1,2,3-trichloro-
1,2,3-Trichloropropane	96-18-4	602-062-00-X	202-486-1	IAEG004114	65	-
1,2,3-Trideoxy-4,6:5,7-bis-O-((4-propylphenyl)methyl)-1,2,3-trifluoro-5-(trifluoromethyl)benzene	882073-43-0	-	-	-	34508	-
1,2,3-trifluoro-5-(trifluoromethyl)benzene	80172-04-9	-	-	-	110522	3 - 4 - 5-Trifluorobenzotrifluoride
1,2,3-trifluoro-5-(4-(4-pentylcyclohexyl)phenyl)benzene	137019-95-5	-	603-995-5	-	46290	1,1'-Biphenyl, 3,4,5-trifluoro-4'-(trans-4-pentylcyclohexyl)-
1,2,3-Trimethylbenzene	526-73-8	-	208-394-8	-	64	Hemellitrol
1,2,3-Tris(1,1,2,2,2-pentafluoroethoxy)benzene	52999-44-7	-	-	-	95584	-
1,2,3-Tris(1,1,2,2,2-pentafluoroethoxy)benzene	21905-71-2	-	-	-	7224	CAM

When you find your Basic Substance, highlight it and click on **Apply** . You will notice the left side of the screen now highlights the added Basic Substance and the right site presents a screen similar to the following (expanded):

Details

☒ **Common Information**

Type: Basic Substance

CAS No. 96-18-4

Einecs-No. 202-486-1

IAEG Code IAEG004114

EU-Index 602-062-00-X

ECHA Substance ID 100.002.261

ECHA Substance Name 1,2,3-trichloropropane

ECHA Iupac Name 1,2,3-trichloropropane

ECHA CAS Name

Confidential ☐

☒ **Name(s)**

Name(s) 1,2,3-Trichloropropane

☒ **Identifier(s)**

☒ **Amounts and Weights**

Portion %

☒ **Basic Substance group/list**

☒ **Process Chemical**

Process Chemical No

Detailed instructions can be found in the CDX User Manual > Attaching Basic Substances.

USEFUL INFORMATION CDX

USEFUL INFORMATION CDX Website and Additional Services and Tools

www.cdssystem.com

Contact:

CDX Service Desk

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