06th November 2020 (updated 29th January 2021)
IMDS Model Office next rollout November 11th, 2020
IMDS Production rollout planned for May 19th, 2021

Preliminary IMDS Release 13.0 Information

1. Adding new required attributes and interface to transfer MDSs one by one to SCIP

New attribute fields for newly created components will be introduced:

- Article category / Taric codes
- Production in EU
- Safe use instructions required (yes/no)
- Safe use instructions
- SCIP number
- SCIP submission number

By default, the Taric code 8708999790 (Vehicles, aircraft, vessels and associated transport equipment > Vehicles other than railway or tramway rolling stock, and parts and accessories thereof > Parts and accessories of the motor vehicles of headings 8701 to 8705 > Other parts and accessories) will be selected.

The default selection for "Production in EU" will be "no data".

The SCIP number and SCIP submission number can be entered for articles and complex objects that have been submitted to SCIP by other means than the interface provided by IMDS (see below). When using IMDS to submit data to SCIP, these fields will be filled automatically.

For newly created materials the following new attributes will be introduced:
- Material category
- Additional material characteristics

By default, the selected material category will be derived from the selected IMDS classification.

International Material Data System

Existing MDSs can also be assigned to these attributes by creating a new version.

Additionally, it will be possible to transfer own released MDSs one by one to the SCIP database.

To use the interface, companies need to provide their ECHA API key for system-to-system submissions. API keys can also be assigned to org. units in IMDS to be used as the default key when submitting MDSs assigned to such org. units.

When submitting an MDS referencing components and materials created prior to Release 13.0, not all SCIP attributes are available. Such submissions will still be possible by assuming the default values mentioned above for all references that lack SCIP attributes. These values will only be used in the submission and will not be saved in the actual MDSs.

Successfully submitted MDSs will automatically receive their SCIP number and SCIP submission number (see above).

While received accepted MDSs cannot be submitted to SCIP, it will be possible to update any SCIP attribute in forward versions created of accepted datasheets. This will allow e.g. importers of articles to set the "Production in EU" flag of an accepted article to "EU imported".

IMDS-AI (Advanced Interface) relevance? YES

Download:
- A new SCiP attribute "Production in European Union" is added to the COMPONENT record.
- A new record type SAFEUSEINSTRUCTIONS will be introduced. The record will be added to the MDBPUBLICSTRUCT behind the COMPONENT records.
- A new record type MATERIALCATEGORY is introduced and the record is added to the MDBPUBLICSTRUCT behind the NORMENTRY records.
- The new attributes "SCIP Number" and "SCIP Submission Number" will be added to the COMPONENT record.
- Four new download file types are introduced: SCIP Article Category (SAC), SCIP Material category (SMC), SCIP number/SCIP submission number changed in published MDSs (SNCP) and SCIP number/SCIP submission number changed contained in own/received MDSs (SNC).

Upload:
- A new optional XML attribute "ProductionInEU" for the existing XML element "Component" is introduced.
- A new optional XML element type "SafeUseInstructions" is introduced.
- A new optional XML element type "ComponentArticleCategory" is introduced.
- A new optional XML element type "MaterialCategory" is introduced.
- Two new optional XML attributes "ScipNumber" and "ScipSubmissionNumber" will be introduced.

2. Increased precision for portions

To allow entries of very small portions (e.g. for substances like PFOA) the maximum number of floating-point digits in portions and weights will be increased from 6 to 9. This increased precision will be available for all references to substances, Material MDSs (MMDSs) and Semi-Component MDSs (SMDSs).

The increase means that the smallest possible portion will be 0.000 000 001% or 0.01ppb (currently 0.000 001% or 10ppb) while the smallest possible weight will be 0.000 000 001g or 1ng (currently 0.000 001g or 1 µg).

IMDS-AI (Advanced Interface) relevance? YES
Download: For several values, the entry types changes in the table RELPERCENTAGE; for one value in the table RELWEIGHT, the entry type changes.

3. ~~Wizard for metal materials~~ (postponed to a subsequent Release after IMDS Release 13.0)

~~This Wizard will help users to choose a Material MDS (MMDS) name and a Standard Material number. If a Standard MMDS for this material already exists, a message informs the user when releasing or referencing an MMDS.~~

~~IMDS-AI (Advanced Interface) relevance? NO~~

4. Support for multi-sourcing

The current scope of this enhancement applies to components only. It will be possible to reference alternative MDSs for one component from different suppliers in a new MDS.

One of the alternatives will need to be defined as the preferred alternative, which will be used e.g. for weight calculations. All other alternatives will also be part of the MDS's ingredients allowing their content to be also found by the where-used-analysis.

IMDS-AI (Advanced Interface) relevance? YES
Download: New Attribute "is multi source" is added to the COMPONENT record.

Upload: A new optional XML element type "AlternativeRefComponent" is introduced.

5. Consideration of the lower threshold for available selection of Application Codes

At the moment, all Application Codes are available for selection for which an upper limit of the threshold is met. In addition, if a substance is not contained with at least a minimum value, the respective Application Code will not be displayed for selection where applicable.

For now this enhancement will only apply to Application Code "8(e) - Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)", which will only be available for materials in which lead compounds make up at least 85% of the whole material.

IMDS-AI (Advanced Interface) relevance? Yes

Download: The newly introduced Application Code percentage of the lower limit is provided in the Substance Application Releations (SAR) download file.

6. Threshold parameter for every Where-Used Analysis related to substances

An additional threshold parameter (from / to value) for the Where-Used Analysis related to substances is introduced for the following analysis options:

- Substance
- Substance list
- Substance group
- GADSL/SVHC
- Application code

IMDS-AI (Advanced Interface) relevance? NO

7. Where-Used Analysis for MDSs with recyclate information

A new analysis option is introduced for the Where-Used Analysis to find MDSs containing a defined portion of recyclate contents in a referenced material of a certain classification or a newly created polymer material (see below).

IMDS-AI (Advanced Interface) relevance? NO

8. Change recyclate handling for polymer materials

Currently, all recyclate material is added to the usage (component/semi-component) of the MMDS. With the enhancement, recyclate information for polymer materials (classification 5.*) will be added directly at the MMDS level by the material supplier. For existing MDSs prior to IMDS Release 13.0 the current behavior is applied.

IMDS-AI (Advanced Interface) relevance? YES
Download: The RELPERCENTAGE record will also be written for MATERIAL with plastic material classification (5.x).
Upload: The "Recyclate" XML element is allowed to be a child element of the "Material" XML element.

9. Re-establishment of certain default application code

Part of IMDS Release 12.2 was the enhancement "No default selection for application codes" removing any default selection of application codes for substances.

With IMDS Release 13.0, an application code will be pre-selected as default again, if it is the only application code available for the substance. In case multiple application codes including "Concentration within acceptable GADSL limits" are available, "Concentration within acceptable GADSL limits" will also be pre-selected as default. In all other cases, no default application code will be provided.

IMDS-AI (Advanced Interface) relevance? NO

10. <u>Deactivation of Recommendation IMDS019 Semi-component MDS</u>

Together with the rollout of IMDS Release 13.0 the IMDS019 MDSs will be deactivated.

IMDS-AI (Advanced Interface) relevance? NO

11. <u>Deactivation of Material Classifications 8.x</u>

Together with the rollout of IMDS Release 13.0 the Material classifications 8.1 Electronics (e.g. pc boards, displays) and 8.2 Electrics will be deactivated. Earlier deactivation is possible depending on the supplier associations' decision.

IMDS-AI (Advanced Interface) relevance? NO

12. <u>Deactivation of other Material Classifications</u>

Together with the rollout of IMDS Release 13.0 and in accordance with the update of Recommendation IMDS001a, the Material classifications

- 1.2 Cast iron
- 5.5.1 Plastics in polymeric compounds
- 5.4 Duromers

will be deactivated. Earlier deactivation is possible depending on the supplier associations' decision.

IMDS-AI (Advanced Interface) relevance? NO

13. <u>Other changes to the IMDS-AI interface</u>

Confidential Substances added to REACH or GADSL

IMDS-AI customers will be informed, if a confidential substance contained in a received MDS is added to the GADSL or REACH list.

IMDS-AI (Advanced Interface) relevance? YES

<u>Download:</u> Two new download file types will be provided by the IMDS system: one for a confidential substance contained in published MDSs (CSPM) and one for a confidential substance contained in received MDSs (CSRM). The files will contain the new record type CONFSUBSTOFHIGHCONCERN. Additionally, a new field will be added to the RELPERCENTAGE record.