



IMDS Requirements

For Allison Transmission, Inc. Suppliers

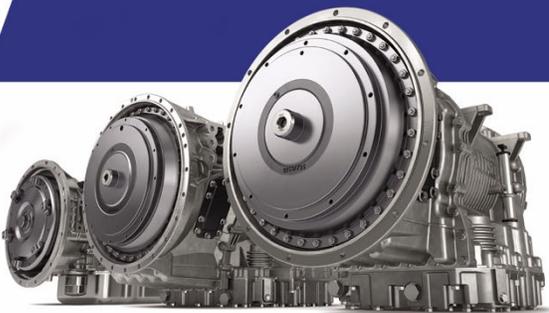


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INTRODUCTION

Our mission at Allison Transmission, Inc. (ATI) to improve the way the world works demands that everything we do leads to a cleaner, healthier, safer environment. ATI's propulsion systems are subject to ever increasing market demand and legislation that creates challenging and complex compliance requirements.

In order for ATI to continue to sell products around the globe, we must be able to demonstrate our products are compliant with all applicable laws, regulations, and rules. To execute our mission, we need to know what is in our products. Depending on the business, market, and product, companies face different rules of product compliance. This IMDS Requirements User Manual ("Manual") is intended to inform you, our supplier, about the regulatory requirements of ATI products, about ATI's system for its suppliers to provide the necessary information, and what we require of you as a valued supplier of materials, parts, and components. ATI is not trying to mandate how you, as a business, comply with the relevant laws for your own products (if in scope) – if in doubt, seek professional advice. Caution: IMDS (International Material Data System) was developed and is operated by EntServ Deutschland GmbH (legal successor of the EDS Operations Services GmbH), a DXC Technology company - subsequently called "DXC". DXC takes the IMDS ToU seriously. If you have any doubt regarding adherence to the ToU, contact DXC. The provisions contained herein do not limit in any way your liability regarding applicable legal and regulatory provisions. DXC's Terms of Use (TOU's) can be found here:

https://public.mdsystem.com/documents/10906/16811/IMDS+ToU+5.1_final_2018.pdf

Rules such as GADSL, RoHS, REACH, and ELV require compliant supply chains. Suppliers of components for production, equipment, services, and consumption goods play a vital part in the development and production of ATI's products. A true holistic approach means that the ATI's commitment to environmental care must be reflected in our supplier network.

DEFINITIONS AND ACRONYMS

Article – An object which, during its production, is given a special shape, surface or design which determines its function to a greater degree than its chemical composition.

Basic Substance – Elements, compound chemicals and pseudo-substances which comprise all materials.

CE Marking – The CE marking means that the manufacturer or importer affirms the good's conformity with European health, safety, and environmental protection standards. It is not a quality indicator or a certification mark.

Homogeneous Material – Homogeneous means that there is a consistent material composition which cannot be separated mechanically into two or more different materials. Homogeneous materials are, for example, plastics, metals, alloys and coatings.

ILI Committee – Published and preferred datasheets that are available in IMDS for most metal standards.

Material – raw, non-functional substances (e.g., steel, glass, rubber, PVC) prior to manufacturing use.

Material Data Sheet – An element representing a component, semi-component, material, or entire product. Contains the item structure, internal contact, and customer information.

Mechanical Separation – It is generally possible to separate materials by means of cutting, trimming and abrasion.

Module – An element representing a component, semi-component, material, or entire product. Contains the item structure but no internal contact or customer information. Internal use only.

Part – Component / assembly with a fixed weight value; node name indicates specific part functionality within vehicle. For the purposes of this manual, part and component may be used interchangeably.

Semi-Component – A bulk part whose utilized weight value is specified by the customer, not supplier (electrical wire, casting blanks).

Standard Materials – Published by DXC or the IMDS/ILI Committee typically representing standard metals and alloys.

Acronyms:

ATI – Allison Transmission, Inc.

BSL – Basic Substance List

CAS - Chemical Abstracts Service

DXC – DXC Technology is an information technology services and consulting company

EC – European Community

ECHA - European Chemicals Agency

ELV – End of Life Vehicle Directive

EU – European Union

FAQ – Frequently Asked Question

FMD – Full Material Declaration

GADSL – Global Automotive Declarable Substance List

GASG – Global Automotive Stakeholder Group

HPE – Hewlett Packard Enterprise

IMDS – International Material Data System

MDS – Material Data Sheet

OEM – Original Equipment Manufacturer

PPAP – Production Part Approval Process

PVC - Polyvinyl chloride

REACH – Registration, Evaluation, Authorization, of Chemicals

RoHS – Restriction on Hazardous Substances

SCIP - Substances of Concern In articles as such or in complex objects (Products) database
SOC – Substance of Concern
SVHC – Substances of Very High Concern
ToU – Terms of Use
WFD – Waste Framework Directive

SUPPLIER OVERVIEW

ATI has chosen to use DXC's IMDS database as a tool for compliance. This Manual explains how the IMDS requirements need to be fulfilled for every part (current, new and modified) delivered to ATI's global manufacturing plants and customization centers. All IMDS questions should be directed to imds@allisontransmission.com. All IMDS submissions need to be submitted to ATI organization ID #28623 at <https://www.mdsystem.com>. This is our only active account. At times, ATI may request a FMD to your IMDS inbox and we ask that you monitor it regularly. While submitting the MDS, include the ATI part number, part description, supplier ID number, weight, revision level and current contact information for the data to be accepted. ATI strongly recommends that its suppliers flow the requirements down to their respective supply bases. ATI may need to perform supplier audits and testing, as needed, depending on product risk. Failure to fulfil these compliance requirements may lead ATI to seek alternative solutions.

REGULATIONS DRIVING FULL MATERIAL DECLARATIONS

GLOBAL AUTOMOTIVE DECLARABLE SUBSTANCE LIST (GADSL)

GADSL covers declaration of certain information about substances relevant to parts and materials supplied by the supply chain to automobile manufacturers. The information is applicable to the use of these parts or materials in the production of a vehicle up to its usage and relevant to the vehicle's re-use or waste disposal.

The intent of GADSL is to become the company specific list for declaration of parts composition within the automotive industry. It provides a definitive list of substances requiring declaration with the target to minimize individual requirements and ensure cost-effective management of declaration practice along the complex supply chain. The scope is to cover declarable substances in the flow of information relevant to parts and materials supplied throughout the automotive value chain, from production to the end-of-life phase.

GADSL only covers substances that are expected to be present in a material or part that remains in the vehicle or part at point of sale. Declaration thresholds are defined by specific application of the substance in automotive parts. Any reportable substance below the declaration level does not have to be reported. These levels, unless otherwise indicated, are ≤ 0.1 g/100g (weight %) of homogeneous materials, not on the total content in the component or assembly.

Examples:

WITHIN THE SCOPE OF GADSL	NOT WITHIN SCOPE OF GADSL
Hexavalent chromium in the corrosion prevention coating of a fastener (a transmission part – also referred to as a “hard part”).	Hexavalent chromium present on a part transfer pallet (since this is not vehicle associated). Packaging material for parts is out of scope of GADSL, because packaging material does not remain on the vehicle during use.
A synthetic base oil used in a prefilled transmission reservoir (since this material is present in the vehicle at the point of sale).	A nonylphenol ethoxylate used as a surfactant in a facility maintenance chemical (as it is not in the vehicle at the point of sale).
A cobalt compound remaining in the cured (dry) state of a transmission’s paint.	A solvent initially present in paint, but which evaporates during the production process (as it is not in the vehicle at the point of sale).

P = Prohibited

A substance designated “P” is prohibited for all automotive uses in at least one region / market or may not exceed a regulated threshold limit for all automotive uses in at least one region/market.

D = Declarable

A substance designated “D” must be declared if it exceeds the defined threshold limits.

D/P = Declarable or Prohibited

A substance designated as “D/P” has both allowed uses and prohibited uses in at least one region / market.

Substances marked D/P and P must also be declared if they are present above the stipulated threshold (e.g. 0.1% in weight).

GADSL REASON CODES

Reason codes have been developed to explain why a substance has been included in GADSL. Each declarable substance will be listed with one of the following reason codes to facilitate dialog within the supply chain:

LR = Legally Regulated: A substance legally regulated because its use in a vehicle part or material poses a significant risk to health and or the environment.

FA = For Assessment: A substance projected to be regulated by government agencies, upon decision by the GASG Steering Committee.

FI = For Information: A substance tracked for information purposes only, upon decision by the GASG Steering Committee. After discussion at the GASG Steering Committee and on an exceptional basis, an automobile manufacturer may include an individual substance or family of substances on the list under this (FI) reason code.

LR, FA and FI substances should not be construed to mean that the substance is prohibited from being used in a vehicle part or is to be de-selected from use.

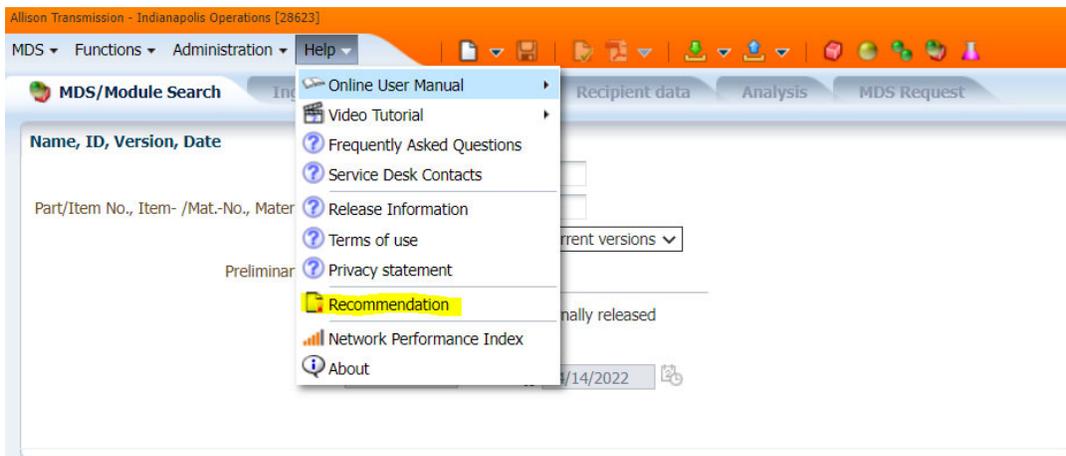
Substance families: If all members of a substance family are “D” or “P” the entry “all members” is listed after the family name. The entry “substance name, selected” means: This substance family refers to a limited list of single substances, which meet the criteria for being declarable or prohibited. In certain cases, substance families have the classification “D, except”. This means that all substances within that family are declarable except those that are labeled with “P” (e.g., Polybrominated Diphenyl Ethers).

CAS numbers for individual substances of a chemical family or group on GADSL are listed in the Reference List which is part of GADSL. This list is available on the GADSL website <http://www.gadsl.org>. The sole purpose of this reference list is to facilitate communication and declaration relating to GADSL within the automotive supply chain to the automobile manufacturers.

The IMDS contains detailed information on materials and substances in automobile parts. IMDS Recommendations give instructions on how to report the presence of declarable substances in parts and materials. In addition, specific requirements of individual vehicle manufacturers can be found. GADSL is standard in IMDS. The complete list of substances in IMDS is called the BSL. To simplify identification and reporting of GADSL-listed substances they are marked separately with D or P in IMDS System.

The IMDS Recommendations table can be found at <https://www.mdsystem.com>.

After logging in, navigate to the Help drop down and select Recommendation.



Download the applicable annexes or the latest revisions.

Recommendations are found here:

Initial Date	Last Modification	Number	Title	Date	Download
01/27/2003	06/21/2023	IMDS 001	General Structure	06/21/2023 -	001 [pdf] (English)
02/16/2010	05/19/2021	IMDS 001a	General Structure Annex I	05/19/2021 -	001a [pdf] (English)
02/26/2003	02/15/2007	IMDS 002	"Flat Bill of Material" (FBOM)	02/15/2007 -	002 [pdf] (deactivated) (English)
10/01/2003	09/06/2011	IMDS 003	Rubber (Elastomer) Material Compositions	09/06/2011 -	003 [pdf] (deactivated) (English)
02/26/2003	07/30/2020	IMDS 004	Textiles	07/30/2020 -	004 [pdf] (English)
02/26/2003	11/10/2017	IMDS 005	Leather	11/10/2017 -	005 [pdf] (English)
08/11/2004	10/15/2010	IMDS 006	Automotive Lubricants	10/15/2010 -	006 [pdf] (deactivated) (English)
02/19/2003	09/01/2022	IMDS 007	Steel Flat Products (strips and sheets), Metallic Coated (hot-dipped or electrolytically)	09/01/2022 -	007 [pdf] (English)
02/19/2003	09/01/2022	IMDS 008	Electroplated (electrolytically deposition) fasteners	09/01/2022 -	008 [pdf] (English)
02/19/2003	11/10/2017	IMDS 009	Components with electrolytically deposited coatings	11/10/2017 -	009 [pdf] (deactivated) (English)
09/08/2003	09/06/2011	IMDS 010	Plastic Material Compositions	09/06/2011 -	010 [pdf] (deactivated) (English)
02/26/2003	09/01/2022	IMDS 011	Nonmetallic Coatings	09/01/2022 -	011 [pdf] (English)
08/08/2004	09/01/2022	IMDS 012	Automotive Sealers and Adhesive Products	09/01/2022 -	012 [pdf] (English)
10/01/2003	09/06/2011	IMDS 013	Thermoplastic Elastomer (TPE) Material	09/06/2011 -	013 [pdf] (deactivated) (English)

The above-mentioned dates refer to when a released or changed recommendation was published on this screen. Therefore they might slightly differ from the dates mentioned in the recommendation PDF files.

END OF LIFE VEHICLE DIRECTIVE (ELV)

ELV is an EU directive that restricts certain substances in the Automotive Industry's goal of reducing the environmental impact at the end of the vehicles useful life. Enforcement began September 18, 2000 (2000/53/EC) and set the stage for other product compliance regulations such as RoHS and REACH.

ELV is applicable to vehicle manufacturers that manufacture or import vehicles into the EU. ATI products must comply with ELV to meet our customers' requirements. As the burden of ELV compliance is on the manufacturers, the manufacturers agreed upon a common tool (IMDS) for which their supply base could provide their material declarations.

The current ELV directive may be found here:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32000L0053>

Current exemptions will be found in ANNEX II.

REGISTRATION, EVALUATION, AUTHORIZATION AND RESTRICTION OF CHEMICALS (REACH) & SUBSTANCES OF VERY HIGH CONCERN (SVHC)

REACH is EU legislation designed to protect human health and the environment. Enforcement began June 2007. REACH aims to monitor and restrict the movement of hazardous chemicals through the EU, including substances in preparation form and incorporated into articles. It replaces 40 years of old EU chemical legislations by compiling them into one.

The Candidate List continues to grow and currently has many SVHCs. SVHCs that are added to the Candidate List are those that are a candidate for elimination. These include carcinogens, mutagens, reproductive toxins, persistent, bio-accumulative toxins, very persistent and very bio-accumulative toxins, endocrine disruptors, and substances of equivalent concern.

REACH applies to EU legal entities, but requirements flow down the supply chain globally. REACH requirements apply to all industries and vary depending on the product (substance/material or article).

Registration – A substance must be registered with the ECHA, if the substance is intentionally released from an article > 1 ton per year.

Authorization – Banned substances, will need special authorization in order to continue to be allowed to be used in the EU.

Potential banned substances are taken from the Candidate List (aka: SVHC) list. (Link below)

Companies using SVHCs may have Notification (to ECHA) and/or Communication (to Customers) of requirements depending on the amount of the SVHC.

It is critical that suppliers provide ATI an FMD regarding the amount of any SVHCs in their products so that the supply chain does not need to be re-surveyed every time a new SVHC is added to the Candidate list. This information is also needed to determine ATI or ATI Customers' reporting obligations.

The current list of SVHC's may be found here:

<https://echa.europa.eu/candidate-list-table>

WASTE FRAMEWORK DIRECTIVE (WFD) AND SUBSTANCE OF CONCERN IN ARTICLES (SCIP)

SCIP is the database for information on SOC in articles as such or in complex objects (Products) established under the WFD. Companies supplying articles containing SVHC on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must submit information on these articles to the ECHA, beginning January 5, 2021.

The SCIP database ensures that the information on articles containing Candidate List substances is available throughout the whole lifecycle of products and materials, including the waste stage. The information in the database is then made available to waste operators and consumers.

The WFD's goal is to measure and address the adverse impacts of the generation and management of waste on the environment and human health, and for improving efficient use of resources which are crucial for the transition to a circular economy. ATI participates in this directive. The SCIP database has three main objectives:

1. Decrease the generation of waste containing hazardous substances by supporting the substitution of substances of concern in articles placed on the EU market.
2. Make information available to further improve waste treatment operations.
3. Allow authorities to monitor the use of substances of concern in articles and initiate appropriate actions over the whole lifecycle of articles, including at their waste stage.

A complete Candidate List of SVHC may be found here:

<https://echa.europa.eu/candidate-list-table>

RESTRICTION ON HAZARDOUS SUBSTANCES (ROHS)

RoHS is an EU legislation that restricts certain substances in electrical and electronic equipment with the goal of reducing the environmental impact of such equipment. Many ATI products are considered electrical and electronic equipment. Enforcement began July 1, 2006 (2002/95/EC). It was later revised June 8, 2011 (2011/65/EU) and enforcement began July 3, 2013.

Countries beyond the EU (China, Korea, India, etc.), have also adopted RoHS-like legislation. It is critical that suppliers provide ATI with up-to-date compliance information. New substances may be added to RoHS and exemptions expire, which may change the compliance status of your products.

RoHS requires CE Marking, a declaration of conformance, and technical documentation.

Common homogenous materials containing restricted substances:

1. Lead – Solders, termination coating, paints, pigment, PVC stabilizer
2. Cadmium – Coatings, solders, semiconductors, contacts, PVC stabilizers, pigments
3. Mercury – Fluorescent lamps, batteries, sensors, relays
4. Hexavalent Chromium – Coatings to prevent corrosion (on zinc, aluminum or in paints).
5. PBB, PBDE – Flame retardant in certain plastics
6. DEHP, BBP, DBP, DIBP – Plasticizers in certain plastics and cables

The latest version of RoHS may be found here:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32011L0065>

RoHS exemptions have expiration dates and may be found here:

<https://echa.europa.eu/en/web/guest/exemptions-art-4-restrictions-rohs>

ATI APPROACH

ATI will accept FMDs using IMDS. IMDS facilitates the regulatory requirement for FMDs for the below listed regulations. You may access the IMDS site here: <https://www.mdsystem.com>

Regulation/List	IMDS	IMDS Comments
ELV	X	Included in GADSL, Tree Search (Exemptions, aka Applications)
GADSL	X	Tree Search, Where-Used
REACH SVHC	X	A2 (REACH Reg. Overview), Where-Used, Included in GADSL
REACH Annex XVII (Restriction)	X	Chemistry Manager, A2 (REACH Reg. Overview)
REACH Annex XIV (Authorization)	X	Chemistry Manager, A2 (REACH Reg. Overview), Tree Search, Where-Used
California Prop 65	X	Tree Search, Where-Used
Biocide Product Regulation (BPR)	X	Chemistry Manager, Tree Search, Where-Used, Included in GADSL
Conflict Minerals	X	Tree Search, Where-Used, CM Analyzer (if also have CDX Login)

SUPPLIER INFORMATION

Current Parts: Required Supplier MDS collection began 1/1/2022. If you have not submitted an MDS to ATI IMDS Organization ID #28623, you are required to do so now.

New Parts: You should submit your material reporting to IMDS 4 weeks before the planned PPAP approval date. This timing highlights the need to start collecting substances data as soon as possible to be able to answer in time to meet the MDS request date. ATI will target addressing IMDS submissions within 2 weeks after receipt.

Modified Parts: Inform ATI of any part content modification (may come from a Tier N Supplier). To contact ATI concerning a proposed modification to a part, download the AT-1927-30 Supplier Product Change Evaluation form from the ATI supplier portal <https://www.allisontransmission.com/fr-fr/suppliers/supplier-forms>. Complete the form and send it to the ATI Commodity Manager to start an ATI internal investigation. When a modification is approved by ATI, initiated by either you or ATI, you will need to submit an updated version of the MDS within 3 weeks after the modification approval or 2 weeks before new PPAP date.

If the part number changes, the MDS needs to include a new IMDS id (i.e., create a new MDS), not just a new version of the current accepted MDS.

IMDS

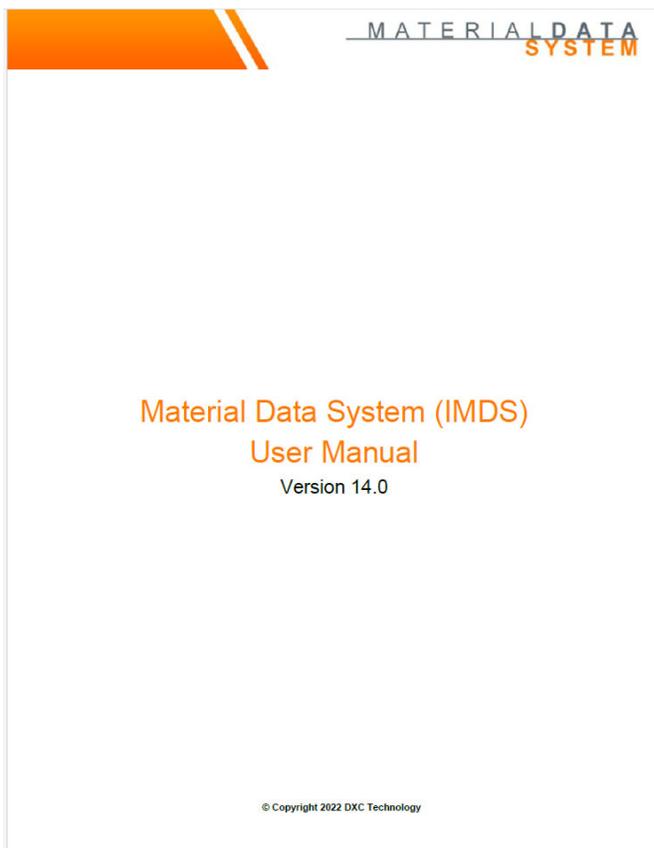
ATI requires a Full Material Declaration (FMD). ATI will expect you to provide a FMD in industry standard format within 14 days of our request. If we do not have the information, we cannot provide compliance information to customers and regulatory authorities, and this lack of compliance information will limit our global market access.

ATI requirements are taken from IMDS Recommendations which can be found on IMDS website <https://www.mdssystem.com>. All basic substances, Materials, Semi-Components and Components IMDS submissions are subject to the Rules of the IMDS Recommendations. The IMDS Recommendations can be found in the Help section after logging into the IMDS system. Using the IMDS system, requests are made for one-part number at a time (unless creating a project).

All User Interface features are free. Participating Automotive OEMs pay DXC for the system use, development, maintenance, and enhancements. Pay Licenses for enhanced capabilities are available for purchase directly with DXC Technology.

General information on registering can be found on IMDS Information Pages. <https://public.mdssystem.com/en/web/imds-public-pages>.

IMDS User Manual can be found at: https://public.mdssystem.com/documents/d/imds-public-pages/imds_usermanual_14-0_en



COMPANY ACTIVATION IN IMDS

Company Activation in IMDS is free and can be completed in a few short steps. Tutorials are available on the IMDS website.

<https://www.mdsystem.com>

https://public.mdsystem.com/documents/10906/16811/imds_registering_tips.pdf

The screenshot shows the IMDS login page with the following elements:

- Login:** Fields for User ID, Password, and Language (English). Includes links for "User ID forgotten", "Request new password", "Terms of use", and "Privacy statement".
- Registration:** Links for "Register your company" and "Tips for your company registration".
- Help:** Links for "Online User Manual", "Contact IMDS Service Center", "IMDS Training", and "Frequently Asked Questions".
- Quick References:** Links for "How to create a component MDS" and "How to create a material MDS".
- Video Tutorial:** Links for "Home and Login Pages", "Landing Page and Search", "Search Results", "MDS Detail Page", "Accept and Reject", "Faster MDS Updates", and "Visibility of Own Confidential Substances".
- Information:** A banner for "CLEPA Materials Regulations Event 2022" (SAVE THE DATES 3, 4 & 5 MAY 2022) and a box for "Get ready for IMDS Release 13.1".
- NEWS:** A list of recent news items with dates and titles.

The screenshot shows the "Company Activation" page with the following details:

- Company Information:**
 - Company ID: 32452
 - Company Name: IH My Test Company
 - Street: Eisenstr. 56
 - Zip or Postal Code: 65428
 - City: Russelsheim
 - Country: Germany
- Instructions:** "Pressing the Activate button to activate your IMDS company. After that you can log in to IMDS immediately using the user ID and password you received during the company registration process. You have to change your password and accept the IMDS Terms of Use during your first logon. If you have not registered this company or if you do not want to activate this company in IMDS please press the Cancel button to discard the company registration."
- Buttons:** "Activate" (with a green checkmark) and "Cancel".

The screenshot shows an "Information" dialog box with the following text:

Information
Your IMDS Company Registration is completed. You can log in IMDS by using the userid and password you received during the registration.

OK

CREATING AN MDS

ATI purchases Materials, Semi-Components, Components, and complex components. All IMDS submissions should be created in one of these formats. Most of our supply partners will be creating “Components” in the IMDS system. However, all IMDS entries begin with Materials. Materials in IMDS must be homogeneous in order to meet several legal requirements. For more information about the definition of "homogeneous", see IMDS 001 Annex I, section 1.1.

Materials can either be entered by our suppliers (preferred), an IMDS entry sent/proposed from ATI, or selected from the published materials list. We strongly suggest selecting only those published by your supplier and/or the manufacturer of the material or those published by the IMDS Committee / ILI Metals Committee.

If you are creating an MDS to represent something with layers (such as a plated metal or coated wire) or a product sold on a roll or in bulk, you should be using a “semi-component” for your submission. “Semi-components” do not have a defined weight until used; although you do enter a usage metric when you create the “semi-component”. This should be a rare instance for ATI suppliers. If Allison does additional machining on the part in question, propose your IMDS as a “semi-component”. It is important to know how the parts you sell to Allison are used. Use the technical review meeting to ask any questions. If you are creating an MDS to represent something used in whole numbers (e.g., a part in an assembly) that has a defined weight, then it should be represented by a “component”. A component’s weight is given at the time of MDS creation, and it remains constant throughout the manufacturing process. The measured weight of a part or assembly, also known as the “stated weight of the component” in IMDS, must match the drawing / bill of materials specifications.

The IMDS Committee has established precise acceptable variance thresholds between the measured weight and calculated weight depending on the total weight of a part.

Best Practices:

1. Set your preferences to receive emails for receiving a request, receiving an accepted notice, and receiving a rejection notice. This can be done by going into Administration > Personal settings.

MDS - MATERIAL DATA SYSTEM

Information
Please check your user data and settings

User data

Company ID 28623
Company Name Allison Transmission - Indianapolis Operations
User ID [REDACTED]
Authorization profile Company Administrator

Authorization profile

Confidential Substances Visible ?
 Chemistry Manager Access Request access
 CAMDS MDS Transfer Access
 May mark MDS as obsolete
 May publish Material MDS

Valid until
Certification Form Publish MDS

Last name *
First name *
Telephone No.
Fax No.

Subscribe e-mails for the following events

MDS Request rejected For all MDS Requests
Own MDS Request due For all MDS Requests
Days 14

MDS Request MDS Request received
 Received MDS Request due
Days 14
 MDS Request deleted

MDS MDS rejected
 MDS accepted
 MDS received
 Follow-up due
 Conf. GADSL Information
 Conf. Candidate List (REACH SVHC) Information

Information IMDS Expiry Notification
 Newsletter
 IMDS Product related Information

Company Administrator OK Cancel

2. Place your vendor code in the Supplier number field.
3. Ensure your DUNS number is correct.
4. Checkmark the IMDS as Forwarding Allowed.
5. Ensure any lead exemptions have not expired.
6. If you receive a rejection, you must wait 24 hours before re-submitting. However, re-submit within 5 days of the rejection date. The preferred method for re-proposal is re-versioning your current IMDS.
7. Where possible, use IMDS Committee Published Materials.
8. Marking of Polymeric Parts should be “Yes” or “Not Applicable”.

COMMON REASONS FOR REJECTION

ATI requires Suppliers to follow the rule of IMDS Recommendation 001 and its’ annexes. Rejected datasheets should be re-versioned and re-submitted to our Organization ID 28623 within 5 days of the rejection.

1. **Incorrect Allison Part Number:**

Do not add extra characters to the part. The Allison part number should be 7-8 digits and exact. In some instances, your part number may have a “C” at the end or have “Casting” in the part description. In this case, submit the IMDS as a semi-component. If you have any questions as to how you should submit, either “component” or “semi-component”, contact imds@allisontransmission.com. Ensure this is discussed during the technical review meeting.

2. **Wrong Classification and Composition:**

Material needs to be classified correctly. Classifications 1.1 and 2.1 should be used sparingly with their sub-classifications used instead (e.g., 1.1.1, etc.). Classification 7.3 should only be used in appropriate materials. Classifications 8.1 and 8.2 are expired and should not be used. Consult the IMDS Recommendations.

3. **Incorrect Material Name:**

Report the unique material name. Material names should be taken from respective material standards. Do not use brand names or generic names. For example, enter “Steel 1010” instead of “Steel”.

4. **Incorrect Tolerances - by weight and/or composition**

Check weight before submitting. Follow IMDS tolerance guidelines.

5. **Standard Material Number:**

The standard material number shall be filled in for all metals.

6. **Preliminary IMDS Marked as “Yes”**

This Preliminary “Yes” is only used in development and prototype IMDS. Allison requires IMDS for the Production Part Approval Process (PPAP).

7. **Hidden / Deleted Substances:**

No hidden or deleted substances should be used when creating an MDS. MDS’s with hidden or deleted substances will be rejected.

8. **Incorrect structures (Nodes, Modules, Materials, Semi-component):**

MDS should not contain mixed nodes. Material MDSs should contain at least two material nodes or one substance. When a material contains two or more material nodes, they should form a homogenous material. Layers should be separate material nodes.

9. **Rust preventatives:**

Rust preventatives and preservatives are not in the final transmission and should not be included in MDS. All parts are washed before assembling the transmission.

SCIP DATABASE

On the SCIP dissemination page, <https://echa.europa.eu/scip-database>, content is visible, however, the supply chain is not revealed directly, as no company names are exposed, not even of the reporting company. To respect other companies' requirements for supply chain confidentiality, it is strongly recommended not to include any company names (neither yours nor ours) in the names and descriptions of Modules/MDSs as those names might become visible in the SCIP dissemination portal.

TARIC CODE DETAIL

Taric codes are needed because it is a requirement for the SCIP Database. IMDS provides a look up search criteria. If you are not familiar with this number, you may find a list of Taric Codes at:

https://taxation-customs.ec.europa.eu/customs-4/calculation-customs-duties/customs-tariff/eu-customs-tariff-taric_en

MDS ▾ Functions ▾ Administration ▾ Help ▾

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

Filter GADSL show regulatory information

Test Component

Details

Common Information

Type Component (own MDS)
ID / Version 1074897211 / 0.01
Node ID 1074897211
Node count 1
MDS Supplier Allison Transmission - Indianapolis Operations
Description Test Component *
Part/Item No.
Preliminary MDS
Multi Sourced No

Dates

Create Date 11/23/2021 ?
Check/Release Date not available ? Recommendation

Amounts and Weights

Measured weight per item 0.0 g *
Calculated weight per item 0.0 g
Deviation 0.0% ?

SCIP

SCIP No.
SCIP Submission No.
Production in European Union No Data ▾
Article Category + -

Taric Code	Description Level 1	Description Level 2	Description Level 3	Descriptions Levels 4 - 10
8708999790	Vehicles, airc...	Vehicles othe...	Parts and ac...	Other parts and accessories > Other > Oth...

SVHC Safe Use Instructions Required

HEAT TREAT: AUSTEMPERING AND NITRIDING

In most heat treatments, you do not change the chemistry of the product. However, due to the necessity of having the information in the system, lack of change does not exempt our suppliers that heat treat from entering data. In an austempering process you don't change the chemical composition. It is an isothermal heating process so there

is no change to the original MDS. The nitriding and case hardening processes are thermal processes where N (Nitrogen) and/or C (Carbon) is diffusing into the steel. The result is an inhomogeneous concentration of N and/or C in a thin surface layer (about 100 µm thickness in a nitriding and 1 mm in the case hardening process).

Due to the inhomogeneous distribution, the concentration of N or C depend on the depth and cannot be described in IMDS. Since Nitrogen and Carbon are not elements which are declarable or prohibited or can be a source for danger in the handling or recycling process, the IMDS committee decided in this special case that Nitriding or Case Hardening need not be reported in IMDS.

How to develop an MDS:

In the above cases of austempering, nitriding and case hardening, there are no specific materials that needs to be created.

CONFIDENTIAL SUBSTANCES

IMDS Submissions must follow IMDS Recommendation 001 and its annexes. Allison encourages transparency. Do not mark a substance “confidential” unless it is covered by intellectual property laws and/or other contractual agreements.

Substances that are not declarable or prohibited according to GADSL, or are not an SVHC, or do not require an application code, may be marked “confidential”. These substances have a check box “confidential” in the detail section of the basic substance on the ingredients page. If a substance is marked “confidential”, it may only be seen by users in the creating company and by “trusted users” in another IMDS company. All other users see is "Confidential Substances". It is not possible to transfer “confidential substances” via data download into in-house systems – not even by OEMs. It is not possible for users in other IMDS companies to make a copy of the tree and retrieve the actual data.

No substance that is flagged as D, P, or D/P can be marked “confidential” at the time of the material creation. No joker/wildcard can be marked “confidential”. There is no joker/wildcard "confidential substance" or "secret substance".

INTERNAL RELEASE, PROPOSE AND SEND

In IMDS, there are four possibilities to submit an MDS:

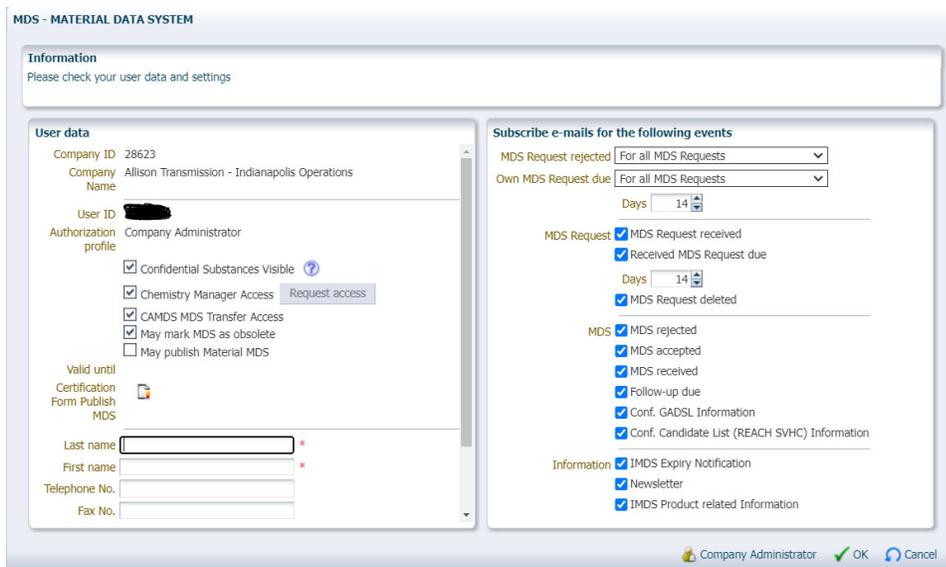
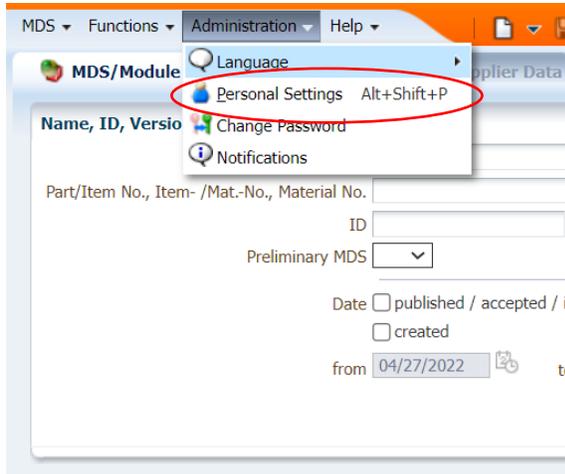
1. "Send": the MDS will be sent to 1 recipient.
2. "Propose": the MDS can be sent to several recipients.
3. "Release Internal": the MDS will only be available for internal use only.
4. "Publish": the MDS will be available for everybody that uses IMDS.

An MDS may be Proposed or Sent. ATI requests that Suppliers “Send/Propose” MDS’s for acceptance or rejection. Once accepted, the MDS cannot be deleted. However, it can be re-versioned by the sender and re-submitted to ATI organization ID #28623.

ATI does not recommend “Publishing” your MDS. Publishing your MDS makes it visible to anyone in the IMDS database.

ACCEPTANCE AND REJECTION

ATI recommends that your Compliance Administrator turn on all notification preferences within IMDS to enable automatic email notification of acceptance or rejection.



All rejections will include a comment stating the reason for rejection. For information regarding how to fix and re-submit rejected IMDS's, refer to the IMDS Rejection Guide found at <https://www.sustainable-markets.com/overcome-imds-rejections/>. If you have specific Allison Transmission related questions, email imds@allisontransmission.com.

Common rejections reasons:

1. Incorrect Description or ATI Part/Item Number
2. Variance Between Measured Weight and Calculated Weight
3. Failure to Use IMDS Committee Published Materials When Creating Entries with Metals, Platings or Passivation Coatings
4. Creating/Using a Polymer Entry Composed of a Single Substance

5. Building MDS Trees That Do Not Follow the Proper Tree Hierarchy
6. Incorrectly Applying ELV Annex II Exemptions
7. Incorrectly Dealing with “Unreportable” Process Chemicals
8. Creating a New Material Datasheet Instead of a New Version of the Original MDS

WEIGHT DEVIATIONS

The measured weight of a part or assembly, also known as the “stated weight of the component” in IMDS, must match the drawing and/or bill of materials specifications.

The IMDS Committee has established precise acceptable variance thresholds between the measured weight and calculated weight depending on the total weight of a part. The weight deviation must not exceed a certain threshold. Exceeding the threshold will result in a warning in the MDS check. The threshold depends on the components measured weight. They are listed below:

Measured Weight per Item	Allowed Max. Deviation
<1g	100%
>1g – <999.99g	10%
>1kg – <9.99kg	5%
>10kg – <99.99kg	2%
<100kg	1%
≥100kg	0.5%

If you feel you may have an outdated drawing, or are concerned about weight deviations, email imds@allisontransmission.com and we will work with the appropriate ATI personnel to ensure part weight accuracy.

SUPPORT

For issues related to IMDS data entry, to support ATI by e-mail, web meeting or with limited training sessions, contact:

ATI: imds@allisontransmission.com

For questions regarding IMDS reporting requirements refer to the contact at IMDS Public Pages contact information at:

<https://public.mdsystem.com/en/web/imds-public-pages/oem-contacts>

For questions regarding the registration of your company, login, or other issue related to the system contact your Client Manager or the IMDS Service Center at:

<https://public.mdsystem.com/en/web/imds-public-pages/imds-service-centers>

For technical questions regarding the MDS data refer to the IMDS User Manual:

https://public.mdsystem.com/documents/d/imds-public-pages/imds_usermanual_14-0_en

For questions regarding training:

<https://public.mdsystem.com/en/web/imds-public-pages/imds-training-courses>

For tutorials visit:

<https://public.mdsystem.com/en/web/imds-public-pages/tutorials>

To access IMDS FAQ's:

<https://public.mdsystem.com/en/web/imds-public-pages/faq>

For questions regarding rejections:

<https://www.sustainable-markets.com/overcome-imds-rejections/>