GM IMDS INSTRUCTIONS Version 10.0

May 2018
# GM IMDS Instructions

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1. General IMDS information

1.1 GMW3059

General Motors’ Restricted and Reportable Substances specification is updated twice in a year to reflect changes in substance regulations worldwide. Supplier should purchase GMW3059 which also includes GM restricted substance list called CG4110 via IHS.com. Suppliers must fulfill the requirements listed in GMW3059. Please check if you have the latest available version of GMW3059 at Global Engineering Documents Website www.global.ihs.com.

1.2 IMDS - International Material Data System – General Information

The IMDS system has been designed jointly by a German carmaker’s consortium and EDS (now DXC), a leader in Information Technology systems.

To ensure regulatory compliance to the ELV (End of Life Vehicle)-Directive and any applicable substance regulations over time, it is necessary to document the material and substance composition of the entire vehicle.

IMDS allows the OEM’s and the Suppliers to collect and manage information regarding the material and substance composition of all components. IMDS provides OEM’s the necessary information to document the product compliance to ELV, REACH (the European regulation, Registration, Evaluation, Authorization and Restriction of Chemical substances) and other Regional requirements.

1.2.1 How to Obtain Access

Suppliers must be registered in the IMDS system to use it. Online IMDS registration is available via the IMDS Public Pages at the IMDS website (www.mdsystem.com).

Open page: www.mdsystem.com
Click on: New at IMDS?
Click on: Company Registration
Click on: <Online Registration>
Click on: Register your company
1.2.2 Help Desks:

The IMDS help desks are available to answer questions concerning the functionality of the IMDS.

Open page: www.mdsystem.com
Click on: New at IMDS?
Click on: Help > Contact > IMDS Service Centers

1.3 When to Send MDS

International Material Data System (IMDS) submissions for GM vehicle and aftermarket components, assemblies, and accessories are to be submitted prior to non-saleable PPAP and an “accepted” IMDS submission is required for GM Supplier Quality (SQ) to issue full PPAP approval.

- Submit IMDS at least 2 weeks prior to non-saleable PPAP date to provide GM time to review submission and allow for any correction loops within the MDS review process.

If the MDS cannot be provided in time for your PPAP date, this deviation needs to be documented by an SQMS Action plan. Include the following information in the SQMS Action Plan:

- Confirmation of compliance to GMW3059 requirements
- Target IMDS submission date

1.3.1 SPECIAL CIRCUMSTANCES:

IMDS Submission for Part Changes

Material changes should be documented with a GM Part Number change per GMW17205. Suppliers should always notify the GM responsible engineer for any part that is being changed due to a substance (regulatory or discretionary) change. Suppliers need to submit an updated IMDS data sheet for parts that have changes in chemical content even if the PN itself has not changed (no PPAP event) so that GM has some way of verifying compliance with substance regulations.

IMDS Submitted Prior to PPAP

To comply with recyclability/recoverability requirements (e.g., Type Approval Directive 70/156/EEC, End of Life Vehicle Directive 2000/53/EC, Korea Resource Circulation Law No. 8045, etc.) or any other specific regional legal requirements. GM may request IMDS data from suppliers prior to PPAP. In this case, suppliers must provide material composition information via IMDS for specific vehicle parts prior to PPAP approval. GM will notify suppliers of affected parts and when material composition information via IMDS is required. Please address your submissions to the correct GM accounts as shown in Table 1.
1.4 Where to Send MDS

Suppliers should send the MDS to the Engineering division of GM that is (or was) responsible for engineering the part, even if the part will be (or is) used by other divisions within GM. This applies whether the parts are new parts or part changes (whether there is an actual part number change/PPAP or not). This information is available from your Quality (or Engineering) organization that is responsible for the part.

- GM Joint Ventures (Shanghai GM, Opel GMBH) must have separate IMDS accounts because they are only partially owned by GM. Therefore, IMDS for parts engineered by Joint Venture partners may need to be submitted to both a GM and a JV company IMDS account. (This is also true for parts engineered by GM and used by a GM Joint Venture.)
- GM Supplier Bulletin #165260 notified suppliers of the new submission requirements for IMDS used by Opel, GM, and by Opel/GM JV vehicles.
- A list of GM and Joint Venture IMDS accounts is provided in Table 1 (GM) and Table 2 (Joint Ventures).

**Example:** Component PPAP by GM (any Division)
1. GM Korea (GMK) is responsible for PPAP.
   - The part will be/is used by GMK, and may also be used by another GM division.
   - The MDS shall be sent only to the GMK account in IMDS.

**Example:** Component PPAP by GM, also used by Joint Venture partner
2. GM-NA Vehicle Operations is responsible for PPAP.
   - However, the part will be/is delivered to Shanghai General Motors as well.
   - Submit IMDS to GM Engineering division (Table 1) and to Shanghai General Motors Powertrain [69064] company ID.

**Example:** Component PPAP by Joint Venture Partner, also used by GM Division(s)
3. In case GM Joint Venture is/was responsible for PPAP, but the part will be/is also used by/delivered to any GM divisions (Table 1), an additional IMDS submission must be made to a GM IMDS company ID is required (Table 1)

**Example:** GM “Directed Buy”
4. Suppliers of GM directed-buy components must submit an IMDS material/substance disclosure both to GM and to their Tier 1 customer. For example, a Tier 2 supplier of a GM directed-buy part must submit IMDS information both to the proper GM IMDS account and to the IMDS account of the Tier 1 receiving the part.
Table 1: GM Organization ID Numbers

<table>
<thead>
<tr>
<th>GM Accounts in IMDS</th>
<th>Company ID#</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Motors - NA Vehicle Operations (includes GM Mexico)</td>
<td>5751</td>
</tr>
<tr>
<td>General Motors - GMNA Customer Care and Aftersales</td>
<td>31433</td>
</tr>
<tr>
<td>General Motors NA- Global Propulsion Systems (includes GM Turin)</td>
<td>5754</td>
</tr>
<tr>
<td>GM do Brasil (Includes all GM South American Countries)</td>
<td>20394</td>
</tr>
<tr>
<td>GM Korea Company</td>
<td>49482</td>
</tr>
<tr>
<td>GM Holden Ltd (Includes GM Thailand and Indonesia Region)</td>
<td>1438</td>
</tr>
<tr>
<td>General Motors India Pvt. Ltd</td>
<td>111859</td>
</tr>
</tbody>
</table>

Table 2: Additional GM Organization (Joint Ventures) ID Numbers

<table>
<thead>
<tr>
<th>Additional GM Accounts in IMDS (Joint Ventures)</th>
<th>Company ID#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shanghai General Motors Co., Ltd</td>
<td>75773</td>
</tr>
<tr>
<td>Shanghai General Motor Powertrain Department</td>
<td>69064</td>
</tr>
<tr>
<td>Adam Opel (includes Vauxhall)</td>
<td>104</td>
</tr>
<tr>
<td>Opel- Engineering Propulsion System</td>
<td>17441</td>
</tr>
</tbody>
</table>

1.5 GM North America Customer Care and Aftersales

Any part or its component parts approved for production will not require an additional or separate IMDS approval from GMNA Customer Care and Aftersales (formerly GM-NA Service Parts Operations-GMSPO) when the parts are shipped for service or become past model, unless there is a change in the manufacturing location. When required, submissions for GMNA CCA are to be made under the DUNS code for the manufacturing location only, not for a warehouse or shipping location. A change in the shipping location only, does not require a new or additional approval for GMNA CCA.

IMDS submissions are required for service-only parts, parts that have not had production applications for model years 2004 and later.

Refer section 1.3.1 for information on IMDS Submission for Part Changes.

2. GM Mandatory Information

GM requires that suppliers follow the IMDS Recommendations 001 to 019 as listed on the IMDS website under recommendations (www.mdsystem.com. Login with your user ID). This allows suppliers to develop a standard process for developing material data sheets. This is applicable to all types of suppliers including Tier-1, Tier-2, GM directed buy suppliers, etc. The following paragraphs list GM specific requirements in addition to the IMDS recommendations.
2.1 GMW3059 Confirmation

Suppliers, as part of their contract with GM and the use conditions, have committed to disclose their restricted and reportable substances and to comply with the GM requirements as stated in the GMW3059. This data must be specific enough for the GM reviewers to tell whether the MDS meets legal requirements as well as GM specifications.

2.1.1 Acceptance/Rejection of Material Data Sheets and Waivers

The General Motors Substances of Concern (SoC) plan is to reject substances or applications globally once they have been restricted by a Regional regulation. Therefore, GM will reject all Material Data Sheets containing substances or application codes that are prohibited in any major region (marked as “P” or Declarable/Prohibited “(D/P)” on GADSL and/or CG4110). In situations where the regionally-prohibited SoC can be used legally in another region or application, and the immediate removal of the SoC is impracticable, suppliers are required to submit a waiver application outlining the plan and timing for phasing out of the SoC or application. Unless otherwise directed, this phase-out is to occur as soon as possible but no later than during the next major model year enhancement or new vehicle, whichever comes first. The waiver form is not an authorization for the change of a part or component. Any changes to parts or components must be authorized through the GM Engineering Work Order (EWO) process. (See the Waiver Form and Waiver Form Instructions tabs of CG4110.) No waiver will be approved if it creates a condition of non-compliance with legal requirements.

2.2 Supplier Code

The supplier code (see “recipient data”-tab in IMDS) is the “manufacturing DUNS” as documented in the Supplier Quality Management System [SQMS] for the part. The DUNS number is a nine-digit number. (Format for DUNS number: XX-XXX-XXXX).

The DUNS number is required in every IMDS submission to GM. The DUNS number (combined with the part number) in IMDS must match the DUNS number and Part Number in SQMS to display the “IMDS approved” status in the SQMS record. IMDS approved status is REQUIRED for full PPAP approval by GM.

2.3 Instructions for Production Parts

2.3.1 Part/Item No.

Input the GM-part number of the part/assembly. The part number is generally a six, seven or eight-digit number, with no dashes, spaces or letters. To have IMDS approval information appear in the Supplier Quality Management System [SQMS], both the Part Number and DUNS Number in IMDS (see 3.2 Supplier Code) must match the Part Number and the DUNS Number in SQMS record for the part that is going through PPAP.
2.3.2 Part Description
Input the English name of the part as described on the GM drawing. Use a description that will make sense to the GM reviewer (e.g. Bolt, A-pillar trim assembly, NOT 12756D).

2.3.3 Preliminary MDS
IMDS with Preliminary MDS checked is not acceptable for regular Production Part. GM no longer accepts prototype parts.

2.3.4 Part Weight
Suppliers are expected to determine the mass by taking an average mass of ten randomly selected parts. Suppliers are responsible for ensuring that appropriate calibrations of all weighing equipment have been conducted as per ISO/QS9001:2000 and ISO/TS16949 requirements. The preferred unit of measure is kilograms (kg). Values should be entered to 2 decimal places (i.e. X.XX kg).

2.3.5 Material Level
Input the material information for every component part. 100% of the substances at the material level must be identified. Material name must include the common material name (steel, polypropylene, etc.) Materials must not be “undetermined” or “unspecified”. Material content must reflect the current part. For further material related data (e.g. Material suppliers, trade name and symbols for plastics) please follow the rules and guidelines of REC001.

2.3.6 Basic Substances
The reported substances should match with the composition of currently delivered part. The use of jokers should be avoided. Instead the “confidential” functionality should be used, if necessary. In both cases, the rules and guidelines of REC001 need to be followed.

2.3.7 Application Code
Application Codes are updated in the IMDS system and are based on the legal requirements from both European Union (EU) ELV Annex II regulation and the equivalent South Korean regulations.

The application codes must be entered accurately so that GM can verify that the parts are compliant to all applicable regulations. GM will require suppliers to make a part change and update their IMDS if an existing part with an IMDS containing deactivated/expired application codes is going to be reused on a new vehicle program.
2.4 Instructions for Productive Materials/ Chemical Products

IMDS is mandatory part of the GM Approval process for materials approved to GM Material Specifications.

An IMDS submission is required for each supplier formulation number / for each product. IMDS submissions which do not meet the following format and content instructions, will be rejected.

- Send material as Material datasheet (MMDS) with correct material classification unless the material has specified dimensions (e.g. adhesive strip È semi component)
- All materials should be reported in their final (e.g. “cured”) composition, since vehicles and service parts are regulated on their composition as they are sold to the customer.
- Name field in IMDS should contain the generic material name (Basecoat, Adhesive, Sealant), the GM color number/ color name (if applicable) and the receiving Assembly Plant(s) (if applicable)
- Trade name field in IMDS should contain the material code/ designator/tradename
- Internal Material number field in IMDS should be the GM part number (9xxxxxx)
- Two-Component Materials should be submitted with only ONE submission under the part number for the cured material with the cured material supplier code
- No IMDS submissions are required for non-standard materials (repair, brush-up)

2.5 IMDS Check List

GM has created a Check List for suppliers to help identify common submission errors and avoid rejection of IMDS. Please refer to Appendix 1 (“GM IMDS Checklist”).

NOTE: For first time submitters to IMDS, GM offers a quick review for your first few data sheets. Please submit one or two sheets into IMDS and notify our reviewers by emailing them at gm-imdshelpdesk@gm.com. The reviewer will prioritize data sheet so that you can use the first approved sheet as a template for the rest of the data sheets. This will reduce rejections (and re-work) both for the supplier and the GM reviewer.
3. IMDS Creation Process

3.1 For the step by step procedure for creating a material in the IMDS system, please refer

https://public.mdsystem.com/documents/10906/16811/IMDS+Create+MDS+tips_Material.pdf/11ee4395-31de-4b44-ae30-6e3b34d2e98d

3.2 For the step by step procedure for creating a component in the IMDS system, please refer


3.3 Less Finish Parts

- IMDS submissions are needed for Less Finish parts under the following circumstances:
  - Less Finish parts that are sold as service parts
  - Directed buy parts that are also Less Finish parts
- Less Finish part IMDS submissions should be created under the GM Less Finish part number

4. Recycled Content Reporting

Suppliers are required to report via IMDS the recycled content of their parts. Suppliers must report the weight percent range of post-industrial/pre-consumer recyculate, as well as post-consumer recyculate utilized in the part. Regrind/home scrap is not to be considered recycled content in the IMDS submissions. Refer appendix E in GMW3059 specification.
5. Acronyms, Abbreviations and Symbols:

- **CAS**: Chemical Abstracts Service
- **CL**: Candidate List
- **D**: Declaration
- **DRE**: Design Release Engineer
- **DUNS**: Data Universal Numbering System
- **EEA**: European Economic Area
- **ELV**: End of Life Vehicle
- **EU**: European Union
- **GADSL**: Global Automotive Declarable Substance List
- **GASG**: Global Automotive Stakeholders Group
- **HMCC**: Hazardous Material Control Committee
- **HMCS**: Hazardous Material Control System
- **IMDS**: International Materials Data System
- **JV**: Joint Venture
- **MDS**: Material Data Sheet
- **MMDS**: Material Material Data Sheet
- **MSDS**: Material Safety Data Sheet
- **MY**: Model Year
- **N/A**: Not applicable
- **OEM**: Original Equipment Manufacturer
- **P**: Prohibited
- **PPAP**: Production Part Approval Process
- **ppm**: Parts per Million
- **REACH**: Registration, Evaluation, Authorization and Restriction of Chemicals
- **SNAc**: Significant New Activity
- **SoC**: Substances of Concern
- **SOR**: Statement(s) of Requirements
- **SVHC**: Substances of Very High Concern (EU REACH Regulation (EC) No. 1907/2006, Article 57)
- **TA**: Type Approval
- **TLV**: Threshold Limit Value
6. Revision History

<table>
<thead>
<tr>
<th>Version #</th>
<th>Date Updated</th>
<th>Revision Author</th>
<th>Summary of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>November 2003</td>
<td>Doris Hill</td>
<td>Add Holden engine/transmission requirements. Revise spare parts requirements. Revise programs for Opel, GMNA and Holden. Add Saab/Opel non-GMW3059 substance requirements. Add guidance on directed buy parts. Update phone numbers, account numbers and contact information. Add explanatory notes on DUNS numbers, process materials, material content, and substance content. Add requirement for recyclate information as measured.</td>
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<tr>
<td>5.0</td>
<td>May 2004</td>
<td>Doris Hill</td>
<td>Delete Requirement for separate ILRS statement (requirement is incorporated into the ILRS joker name).</td>
</tr>
<tr>
<td>6.0</td>
<td>February 2007</td>
<td>Stacey Moultrie</td>
<td>Sections were removed which were duplicates of the IMDS Recommendations and IMDS Create Tips.</td>
</tr>
<tr>
<td>7.0</td>
<td>October 2012</td>
<td>GM Global IMDS Team</td>
<td>Updated GM IMDS ID numbers table. Included additional information on part weight, bio recycled materials and recyclate content. Provided link for IMDS creation tips.</td>
</tr>
<tr>
<td>8.0</td>
<td>August 2015</td>
<td>GM Global IMDS Team</td>
<td>Separated GM and Joint Venture Organization ID table, Updated Recycled Content Reporting information</td>
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<tr>
<td>9.0</td>
<td>November 2016</td>
<td>GM Global IMDS Team</td>
<td>Included Information on Application code, Instruction for Productive materials and Special circumstances</td>
</tr>
<tr>
<td>10.0</td>
<td>May 2018</td>
<td>GM Global IMDS Team</td>
<td>Included new appendices for IMDS check list and material approval requirements</td>
</tr>
</tbody>
</table>

7. Contacts
For any GM IMDS queries, contact GM IMDS helpdesk at gm-imdshelpdesk@gm.com
## Appendix 1: GM IMDS Checklist

<table>
<thead>
<tr>
<th>IMDS Check List</th>
<th>SL #</th>
<th>Check for</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Component Level</strong></td>
<td>1</td>
<td>Part name/Description should be generic as per the drawing specification, It cannot be Numeric</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Does the GM part number 7 or 8 digits, no punctuation, no letters and no Special Characters?</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Do not check the Preliminary MDS unless the part is in prototype stage</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Calculated and measured weight deviation cannot be more than +/- 10%</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>If part is going for further machining, submit IMDS as semi-component. Example: Casting components</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Material name should be generic</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>Disclose all Materials in the Component</td>
</tr>
<tr>
<td><strong>Material Level</strong></td>
<td>8</td>
<td>Does the material name a commonly used term rather than a technical term? Ex: Material Name should not be Trade Name</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Have you selected appropriate material classification?</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Have you used appropriate Application Code as per EU ELV annex?</td>
</tr>
<tr>
<td><strong>Basic Substance</strong></td>
<td>11</td>
<td>Have you used the jokers within the 10% threshold?</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>Accurate Chemical composition of a material is Mandatory</td>
</tr>
<tr>
<td><strong>Recipient Data</strong></td>
<td>13</td>
<td>Input the 7 or 8-digit GM part Number in the Part/Item No. Field as mentioned in Drawing</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Mention 9-digit DUNS code in Supplier code field in the xx-xxx-xxxx format</td>
</tr>
</tbody>
</table>
Component Level Errors

Ingredients Chapter:

- Part name/Description should be generic as per the drawing, it cannot be Numeric
- Is the GM part number 7 or 8 digits with no other characters, no punctuation, no letters and no Special Characters?
- Does the calculated weight and measured weight deviation within +/- 10%?
Component Level Errors

Ingredients Chapter:

- Do not check the Preliminary MDS unless the part is in prototype stage
Material Level Errors

Ingredients Chapter:

- Material name should be generic
- Have You disclosed all Materials in the Component?
- Material Name should not be Trade Name
Material Level Errors

- Have you selected appropriate material classification?
Material Level Errors

- Is the application code selected in compliance with EU ELV annex II?
Basic Substance level errors

Ingredients Chapter:

- Have you used the jokers within the 10% threshold?
Basic Substance level errors

- Declaration of exact composition of material is must
Component level errors

Recipient data chapter:

- Input the 7 or 8-digit GM part Number in the Part/Item No. Field as mentioned in Drawing
- Mention 9 digit DUNS code in Supplier code field in the xx-xxx-xxxx format
Appendix 2: Supplier IMDS Entry Instructions for New GM Material Certifications

**Background**
- GM must comply with substance restrictions/regulations in order to sell products in affected markets and avoid potential field actions
  - GM needs to know the substance content of materials approved to GM specifications in order to control vehicle and component substance compliance during the product development cycle
- GM specifications reference GMW3059, which requires chemical composition data submissions into the IMDS system
- **NOTE:** This process change is for new material approvals for General Motors and PATAC (Opel material approvals are not included)

**General Submission Requirements: Structure**
- IMDS submission must be created by the supplier requesting the approval to the GM specification
- Restricted/Reportable chemical disclosure per GMW3059/CG4110 list is required
- Submit materials based on final chemical composition on the vehicle as sold to the customer (e.g. “cured” state)
  - Example: process aids on metals that are removed in the paint shop/assembly plant should not be included
  - Example: Reacted materials such as PU foams must be reported as a final foam composition (not part A or part B reactants)
- Use Material level MDS submission unless the approval is for a construction
  - Use semicomponent MDS for electrical wiring, hoses/tubing, constructions (etc.)
  - Component submission is only allowed for a dimensional material (e.g. pre-cut adhesive strips)
- Follow IMDS Recommendation 001 for creating the IMDS submission, with special exceptions:
  - Part Number provided by sponsoring GM Materials Engineer
    - Part number is a GM material call-out, a GM trim transmittal number, or a GM bulk material number
    - Example of GMW line callout (plastics): GMW3038P-PA66-GF35H
    - Example of Trim Transmittal Number: TT123456
    - Examples of Bulk Material Numbers: 998zzzz, 927zzzz, 9454zzzz, or 8 digit GM Part Number
  - Trade name (if available) is mandatory for GM material certification submissions
    - Include Trade Name and Number after the generic material name in the material name field
GM IMDS Instructions

- Internal Material Number field is required and must match the actual GM PN for the material
- Supplier name is mandatory for GM material certification submissions
- Input the email of the GM Material Engineer/Paint Systems Engineer responsible for the material approval in the “purchase order” or “Bill of Delivery” fields
- Minimize non-declarable confidential substance use (10% or less) to avoid obsoleting IMDS submission

- Submit based on GM “Part Number”: if a material is approved to two different GM specifications (“part numbers”) then submit two IMDS (one under each part number)
- For Bulk Materials that are reactive (2 component) materials:
  - 2part/2 GM specifications for reactive material submissions- submit the cured material IMDS under the line callout for Part A
  - 2 part/3 GM specifications for reactive material submissions- submit the cured material IMDS under the line callout for the “reacted” material

General Requirements: Administrative

- Prior to IMDS submission:
  - Do not check the “preliminary MDS” box
  - Supplier code for GM is the “manufacturing DUNS” code for the plant producing the material. The DUNS number is a nine-digit number (Format: XX-XXX-XX)
    - If multiple manufacturing locations are represented by one IMDS submission, use “ultimate DUNS” (corporate DUNS)
    - For small suppliers who do not have a DUNS, input 00-000-0000 as the supplier code
  - Material IMDS must be submitted to GMNA VO IMDS ID #5751 (Public Page IMDS postings are not acceptable)
- After receiving accepted status in IMDS from GM, provide first page of IMDS PDF report to the responsible GM Material Engineer
  - Only section 1 (Company/Product information) needs to be included, not substance content
  - May be included in GM certification template for some materials (e.g. Plastics/GMW3013)
  - PDF report generation button:
Example of GM Material Submission for Certification

Supplier Name (req’d)

Assigned by the IMDS system

General name (e.g. adhesive-cured, sealer, resin and color code (if applicable)), followed by Trade Name/Grade.
Ex: general name_Trade Name/grade

GM “part number”
- 7 digit bulk (998zzzz)
- 8 digit GM PN
- Trim Transmittal #
- GM Material Callout (GMW....)

Fill out all supplier data, as required by the system
Example of GM Material Submission for Certification

GM IMDS Review: Timing Information

- Special trained reviewers will look at material (M-MDS) approval submissions
  - Reviewed within 5 working days of receipt from material supplier
- Request suppliers submit IMDS as early as practical (stable material composition)
  - Priority review requests (if needed) - email GM-IMDShelpdesk@gm.com

Update Requirements for Material IMDS Submissions

- NOTE: An updated IMDS (version number update) must be submitted if there is a change that affects the content of the IMDS submission
  - GMW3059 and GADSL may be changing up to 2x per year
    - Must resubmit if “confidential/hidden” substance becomes prohibited/declarable
  - Changes of chemical composition during development/production:
    - Small formulation adjustments (no change in actual chemicals used in formulation): utilize range % entry for each chemical in the formulation to cover anticipated fluctuations
      - No need to resubmit if small formulation adjustments are made
    - Chemical formulation change (change actual chemical(s) used in the formulation): submit updated IMDS (updated version number) reflecting new chemical content
      - Must resubmit due to use of new chemical compound(s)
  - Option: submit 100% disclosure of material formulation to GM during initial submission to minimize updating requirements
Special Requirements: Interior Constructions

- IMDS submissions are required at two times during the development process:
  - construction approval
  - color approval

- Part number for interior constructions
  - Use GM trim transmittal number

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NOTE:
- Contents filled in by IMDS system based on your part name and company information
- Example only - do not black out your own company information in your submission to GM.

GM Material Engineer contact information

IMDS Submitted to GMNA VO
IMDS Account #5751

Report must show “accepted” status
Special Requirements: Interior Approvals for Paints

- Interior coatings: adhesion promotors, primers, interior topcoats

- Less Color Submissions/Material Approval:
  - Create one IMDS submission for each adhesion promotor, primer, and topcoat
    - Internal Material Number for the IMDS submission: Material Specification (e.g. GMW15520- Type D)
    - Trade Name: product name/product code (as entered in GRANTA DB)

- Color Submissions/Trim Transmittal:
  - Color Approvals for Interior Topcoats: IMDS Data Fields
    - Trade Name: product name/product code (as entered in GRANTA DB)
    - Internal Material Number: GM Trim Transmittal Number

Materials Engineering: Exterior Approvals for Paints

- Exterior body paint: Topcoat (monocoat, basecoat/clearcoat)
  - Less Color Submissions/Paint Technology Approval
    - Individual layers (basecoat, clearcoat) must each report to a semi-component (per IMDS Rec 001) representing the combination of layers. Each individual layer must represent the “cured” composition
    - Color approvals for exterior body paint: IMDS Data Fields
      - Trade Name: product name/product code (as entered in GRANTA DB)
      - Internal Material Number: GM Trim Transmittal Number

- NOTE: See special instructions for Vehicle Systems Paint Materials (Assembly Plant and Exterior Parts Paint) submissions section
  - Adhesion promotors, primers, topcoat (basecoat/clearcoat system)
Instructions for Vehicle Systems Paint Materials Submissions (Assembly Plant and Exterior Parts Paint)

Name, Tradename & Internal Mat. No

- **Name:**
  - Generic name (Basecoat, Adhesive,...) and Trade Name
  - GM color number/code (if applicable)
  - First 3 letters of GM plant name (e.g. OSH1, ARL [GMNA])
    - For GMNA: code provided in Plant BOM

- **Material No** (GM Material Approval Number):
  - 998xxxx number for GMNA
  - 945-xxxx etc. number for GMK

The MMDS should contain the following information:
Paint Specifics

Name additionally includes GM Paint Code (WA No. xxxx)
Example: Basecoat 814S OSH

Two Part/Component Materials

For materials consisting of 2 components (e.g. 2C-clearcoats), the following instructions apply:
• Material number: GM 9------
• Name: Generic name, color name/code (if required) plus assembly plant names and Trade Name ("cured" code)
Example:
• PN 9984515
• Name: Clearcoat 405Y Limited Addiction (DHAM) RK-8032