

# IMDS Instruction

Ver 2.0

Feb. 2006

**GM DAEWOO Auto & Technology Co.**

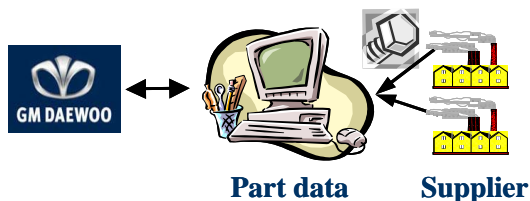
## [1] IMDS Application

### 1. Background

- o EU Directive 2000/53/EEC
  - Recycling targets, 85% recyclability/ 95% recoverability
  - : type approval will be requested by homologation authority from 2010 for both new type-approved vehicles and all new vehicles (according to EU Directive 2005/64)
  - \* Requirement on recycling data : collection through full chain of supply
  - Prohibits the use of Pb, Cd, Hg and Cr6+ (with exception of the cases listed in Annex II) in vehicles put on the market after July 1st 2003.
  - Know the location of all hazardous substances (according to EU Directive 67/548) in vehicles when they are dismantled, available from October 2002 for each type of new vehicle put on the market
- o GM requires GMW3059<sup>1)</sup> substances to be reported

### 2. IMDS (International Material Data System)

- o Material and substance composition collecting system of the entire vehicle
- o GM Global System
- o [www.mdssystem.com](http://www.mdssystem.com)



<sup>1)</sup> GM Global Spec : Restricted and reportable substances for parts

## [1] IMDS Application

### 3. Detailed plan

3.1 Introduction : Feb. 2006

3.2 Target Vehicle Program

- Current Production Vehicle (Based on July, 2006) : All parts (Production, A/S, CKD)
- On going New Projects : All parts (Production, Proto, A/S, CKD)

3.3 Use of Information

	IMDS Input Data	Use timing of data
Recycling type approval	All material, weight	<ul style="list-style-type: none"> <li>• Preliminary assessment of recycling quota : Each Proto Phase</li> <li>• Document for type approval : Pilot PH1</li> </ul>
Hazardous substances (Including Pb, Cd, Hg, Cr6+)	All material, weight and basic substance	<ul style="list-style-type: none"> <li>• PPAP</li> </ul>

2006	1	2	3	4	5	6	7~	
Supplier	<ul style="list-style-type: none"> <li>• IMDS Introduction</li> </ul>						<ul style="list-style-type: none"> <li>• C100/105 : Data offering to GME</li> <li>• Current vehicle : Know used all hazardous substances</li> </ul>	
	Data Preparation	Data Input				Completion		

3.4 GM DAEWOO Specification Revision Plan

- o Reflected in SOR
- o Proto vehicle parts approval : DMS-Q51 revision : ~ Feb.2006
- o PPAP : DMS-Q04 revision : ~ Feb. 2006

## [1] IMDS Application

### 4. IMDS data input of supplier

#### 4.1 IMDS data responsibility

- Responsibility of Tier 1 supplier to cascade IMDS data and all requirements to all sub-tier suppliers and ensure that submission of the requested material content is carried out

#### 4.2 Supplier Activity

- To enter all requested data concerning the composition of the components supplied by your company no later than 30. June. 2006 or PPAP

Vehicle Program		IMDS Input Data	Due Date	Remark
Current Production Vehicle (Based on July, 2006)	M200, T250 J200, U100, V250 C100, C105	All material, weight and <a href="#">basic substance<sup>1)</sup></a> (Including 4 heavy metal)	30. June, 2006	Production Vehicle Parts
On going New Projects	T255, J300, M300 ~	All material, weight and basic substance (Including 4 heavy metal)	PPAP	
		Material, Weight	Proto Parts Approval	<a href="#">Proto Vehicle Parts<sup>2)</sup></a>

<sup>1)2)</sup> Additional requirement as contrasted with Heavy metal Ban

## [1] IMDS Application

### 4. IMDS data input of supplier

4.3 IMDS support : [www.mdssystem.com](http://www.mdssystem.com)

4.4 Recipient

- ID : 49482

- GM Daewoo Auto & Technology Co.

\* Trust User : Jin Gil

## [2] Mandatory Items of MDS

	Items	Explanation
<b>Component</b>	Part name	Corresponding drawing (meaningful abbreviations are allowed) - GPDS or TMS
	Part number	Must be drawing part number - GPDS or TMS)
	Part weight	Must comply with weight on drawing
<b>Material</b>	Material name	Input the material information for every component part. 100% of the materials at the material level must be identified.
	Composition of material	Necessary for materials with filler
	Parts marking	Polymeric part marked
	Recyclate Information	Usage of recycled material
	Application Code	Application codes for lead, hexavalent chromium, mercury, cadmium, Nickel and Polycyclic aromatic Hydrocarbons (PAH).
<b>Substance</b>	Declarable and restricted Substances	Follow GMW3059/GADSL Joker Substance (Secret Substances included) no more than 10%
<b>Recipient</b>	Drawing No.	Input the GMDAEWOO-drawing number, if available (It may be different than the part number)
	Drawing dated	Input the date of release of the current revision of the drawing
	Drawing Change Level	Input the current version/level of the drawing
	Supplier Code	DUNS-No (9-digits number)

## [3] Contact

Contact		Tel	E-mail	Questions
GM DAEWOO	Jin Gil	82-32-520-0930	jin.gil@gmdat.com	Part/Material/Substance Confirmation of sent MDS
EDS Korea Help Desk		82-2-3782-0827 82-2-3782-0828	imdisk-helpdesk@eds.com	System Basic substances Training registrations IMDS ID & Password

## [4] Recommendations

### IMDS Recommendations Title ([www.mdssystem.com](http://www.mdssystem.com) Guideline)

- IMDS 001 General Structure
- IMDS 002 “Flat Bill of Material” (FBOM)
- IMDS 003 Rubber (Elastomer) Material Compositions
- IMDS 004 Textiles
- IMDS 005 Leather
- IMDS 006 Automotive Lubricants
- IMDS 007 Steel Flat Products (strips and sheets) Metallic Coated (hot-dipped or electrolytically)
- IMDS 008 Electroplated (electrolytically deposition) fasteners
- IMDS 009 Components with electrolytically deposited coatings
- IMDS 010 Plastic Material Compositions
- IMDS 011 Nonmetallic Coatings
- IMDS 012 Automotive Sealers and Adhesive Products
- IMDS 013 Thermoplastic Elastomer (TPE) Material Compositions
- IMDS 014 Automotive Lighting
- IMDS 015 Automotive Steering Systems
- IMDS 017 FRB Fibre Reinforced Plastic Products (Thermosets)
- IMDS 018 Automotive Glazing Parts
- IMDS 019 E/E (Electric/Electronic) components
- IMDS 020 Thermal systems
- IMDS 021 Spin-on Oil Filter
- IMDS 022 Change Management