



IMDS 数据质量标准（第五版） 2011.03

IMDS Data quality standard V5 2011.03

泛亚汽车技术中心材料工程科

PATAC material engineering

基本要求

Scope

- 1 供应商零件的递交范围：所有需要进行工程认可和 **PPAP** 的零件。
IMDS require scope: all parts which need engineering approval and PPAP.
- 2 动力总成的零件（发动机、变速箱及其外围零件）递交到 **69064** 账号
其它所有整车零件递交到 **75773** 账号
All the powertrain parts should submit to ID 69064 and other vehicle parts should submit to ID 75773.
- 3 供应商完成 **IMDS** 递交后，需按照以下格式发送通知邮件至材料工程师，邮件名称需按照下列规则命名：供应商名称—项目名称—零件号—零件名称。
After sending the IMDS, supplier need to send email to inform material engineer. The title of email should be named as: Supplier name—Program-Part number-Part name.

审核标准

Check Standard

- 1 零件结构完整，层次正确，零件号和零件名正确。零件名称应和图纸相符或相近，**IMDS**表单名称应按照以下规则命名：项目名称—零件名称。
Complete part information and correct tree structure , Part number, Part name. Part name should be same or similar to drawing. The name of IMDS should be : Program -Part name.

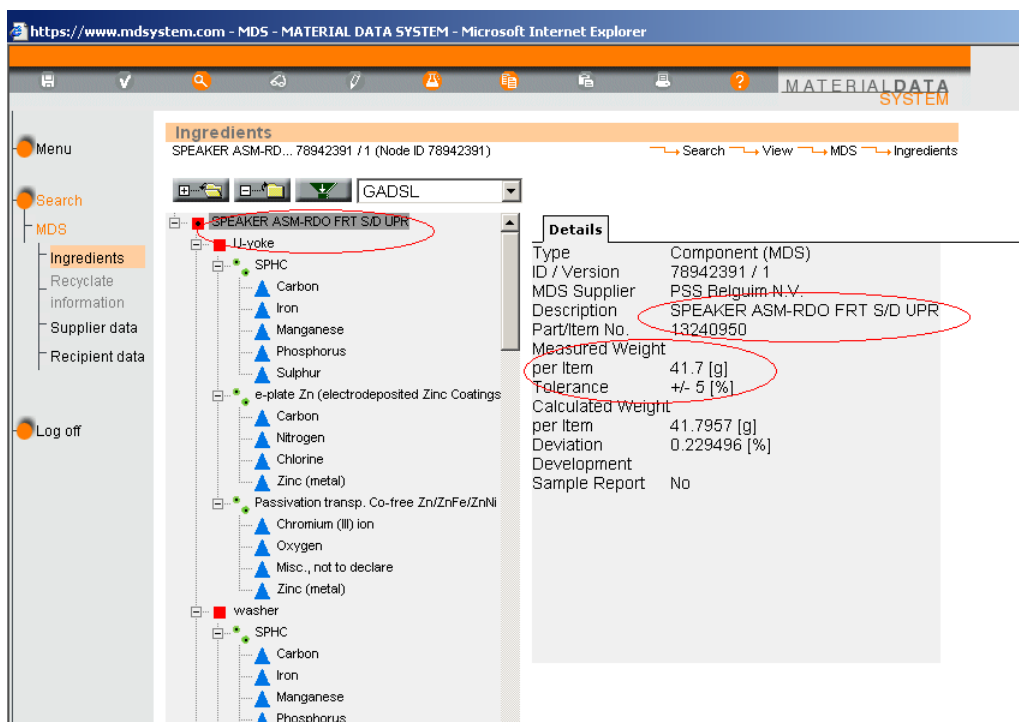
备注：

- 1) 只需递交一级零件，每一个一级零件一张表单。
- 2) 车身漆，密封胶，密封条等未知使用重量的材料或零件按照半成部件递交。
- 3) 零件状态为最终产品状态，不得出现样件状态。

Note:

- 1) Submit assembly part not sub-assembly part.
- 2) Those unexpected weight of material of part such as body paint, sealer should be submitted as semi-component.
- 3) One assembly part one sheet. Part status should be final status. We can't accept sampling parts.

参考文件/Ref file: <http://www.mdsystem.com> IMDS recommendation 001



2 申报零件称重重量和材料重量，零件的重量公差要求参考下表。

Declare part measured weight and material weight information. Part weight tolerance should refer to weight deviation requirement.

零件称重重量和理论重量偏差要求

Part Weight deviation between measure weight and calculated weight

重量范围 Weight range	偏差要求 Deviation
0 to 99 Grams	± 20 %
100 to 999 Grams	± 5 %
1 Kg to 9.99 Kg	± 2 %
10 Kg to 99.9 Kg	± 1 %
Greater than 100 Kg	± 0.5 %

3 正确申报材料类型和重量，符合的标准等，部分材料需要申报材料供应商及牌号，是否标识。

Correct material classification, mass, standard, such as GMW, EDS(JIS), EN(ISO), etc.

参考文件/Ref file: 见附件一 材料分类/Appendix 1 Material classification

① 符合以下条件的材料，需申报材料供应商及牌号：

Need to declare supplier name and brand name if material according to standard below:

塑料：大于 100 克/Plastics： >100g

橡胶和弹性体：大于 200 克/Rubber and Elastomer: >200g

金属材料：均需要申报。/Metal: All

② 标识要求:

塑料：大于 100 克/Plastics： >100g

橡胶和弹性体：大于 200 克/Rubber and Elastomer: >200g

举例如下： / For example:

The screenshot shows the MDS Material Data System interface. The main content area displays details for a component with Node ID 78385053. The component name is 'DUCT-FLR RR AIR OTLT'. The details table includes the following information:

Details	
Type	Component (MDS)
ID / Version	78385053 / 1
MDS Supplier	
Description	DUCT-FLR RR AIR OTLT
Part/Item No.	13242C31
Measured Weight per Item	425 [g]
Tolerance	+/- 3.5 [%]
Calculated Weight per Item	425 [g]
Deviation	0 [%]
Development	Parts marked as required on drawing.
Sample Report	No

A red circle highlights the 'Development' field, which contains the text 'Parts marked as required on drawing.' Below this field, there is a blue link labeled 'Polymeric part(s) marked'.

The screenshot shows the MDS Material Data System interface. The main content area displays details for a component with Node ID 80507063. The component name is 'MODULE ASM-RDO...'. The details table includes the following information:

Details	
Type	Component
Description	Single male housing code A
Part/Item No.	8 638 802 400
Measured Weight per Item	0.384 [g]
Tolerance	+/- 3 [%]
Calculated Weight per Item	0.384 [g]
Deviation	0 [%]
Development	Parts do not require marking due to specifications of weight, geometric restriction or surface requirements.
Quantity	1 Items

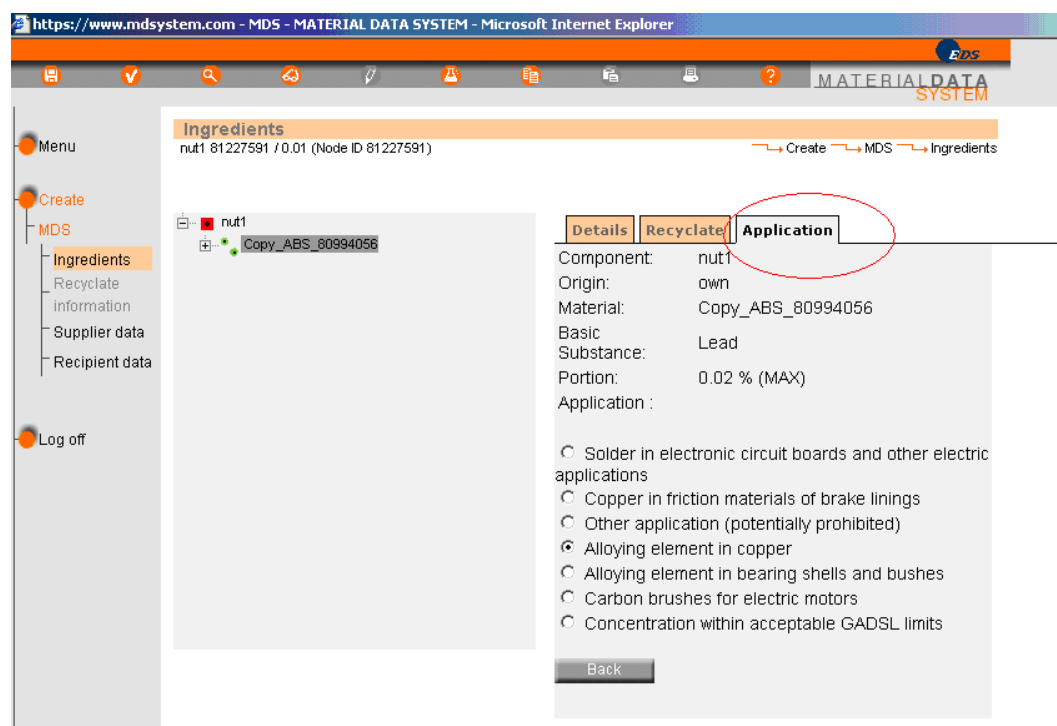
A red circle highlights the 'Development' field, which contains the text 'Parts do not require marking due to specifications of weight, geometric restriction or surface requirements.' Below this field, there is a blue link labeled 'Polymeric part(s) marked'.

4 申报所有的材料与物质信息，并符合 **GMW3059** 和 **GADSL** 对禁用和限用物质的要求，符合 **EU ELV ANNEX II** 最新版（每 18 个月更新一次，最近的一次更新在 2010 年 2 月）豁免范围的材料，在 **Application** 中选择相应的豁免项。

Declare all material and substances refer to GMW3059 and GADSL requirement.

参考文件/Ref file: <http://www.mdsystem.com>
<http://www.gmw3059.com>

符合 **EU ELV ANNEX II** 豁免范围的材料，在 **Application** 中选择相应的豁免项，举例如下：



特别强调：铅在焊料中的应用应该从 **8a** 到 **8j** 中选择。

Emphasize: lead in solder application should be selected from 8a to 8j.

5 典型材料中物质的含量申报方法参考 **IMDS recommendation 003-021**

Typical material substance content declare refer to IMDS recommendation 003-021

参考文件/Ref file: <http://www.mdsystem.com>

这些文件涉及了各种复杂或特殊零件的申报方法，如金属镀层，紧固件，润滑油，密封材料，汽车灯，汽车操纵系统，滤清器，热系统等。

Those files give IMDS recommendation method about complicated parts or special parts, such as coating, fastener, lubricant, seal strip, automotive lamp, etc.

紧固件表面积有计算公式，见附件二。

Fastener surface calculation formula should be referred to Appendix 2.

6 使用通配符申报保留物质（最大值不得超过材料重量的 **10%**），必须说明保留部分满足 **GMW3059** 和 **GADSL** 的要求。

Declare compliance to GMW3059 and GADSL about Misc and Jokers used in material. The maximum percentage of confidential substance should not exceed 10% mass of material.

参考文件/Ref file:

当使用通配符如“**misc, not to declare**”或“**confidential substance**”等申报保密物质时，必须申明材料满足 **GMW3059** 和 **GADSL** 的要求。

Whenever misc or confidential substance are used in a MDS, you must declare that the material in the MDS is in compliance with GMW 3059 and GADSL guidelines.

在材料等级的 **Remark** 框中可以填写以下申明：

“此材料的配方符合 **GMW3059** 和 **GADSL** 对禁用和限用物质含量的要求”。我们比较推荐将声明写在这个位置。二级供应商向一级供应商递交材料信息，也只有将申明写在此栏中 **OEM** 才可看到。

At the Materials section under remarks by declaring the following statement.
“The formula of this material doesn’t have any restricted or reportable substances according to GMW3059 and GADSL guidelines.” This is the preferred place for declaration.

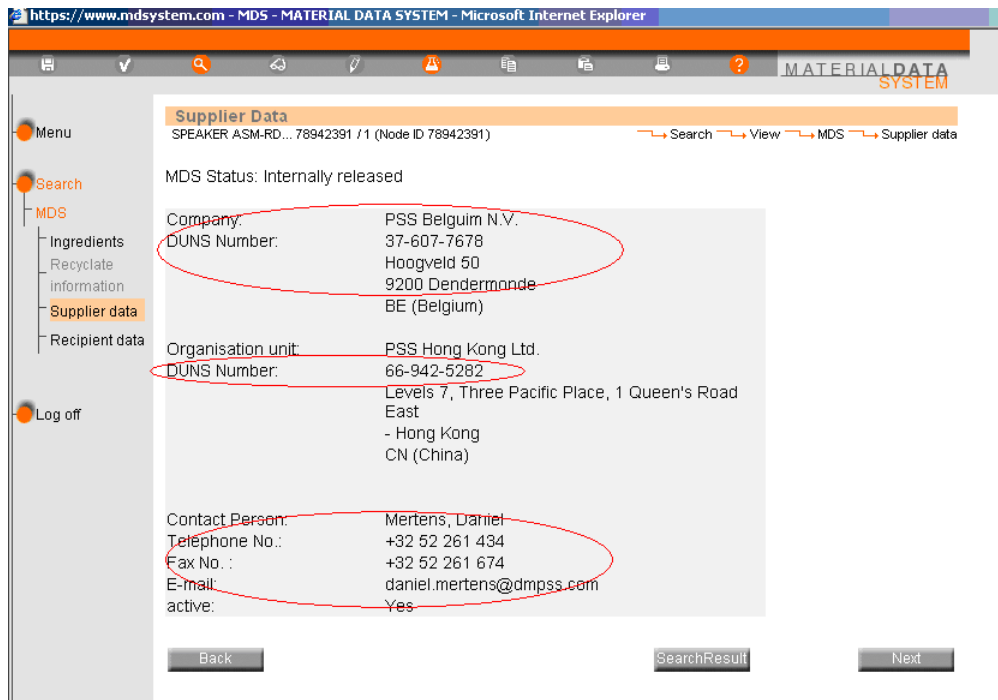
For Tier 2 suppliers, e.g., for a material supplier, if its MDS is to be used (uploaded) by other tier 1 suppliers, the declaration statement must be posted at the Materials section under remarks. It is the only way that OEM can view the declaration statement in the MDS created and submitted by Tier 1 suppliers.

也可将 **Ford** 或其他 **OEM** 的标准写在申明中，但 **GMW3059** 和 **GADSL** 必须提及。
You can put Ford and other OEM’s standard name in this statement, but GMW3059 and GADSL must be spell out.

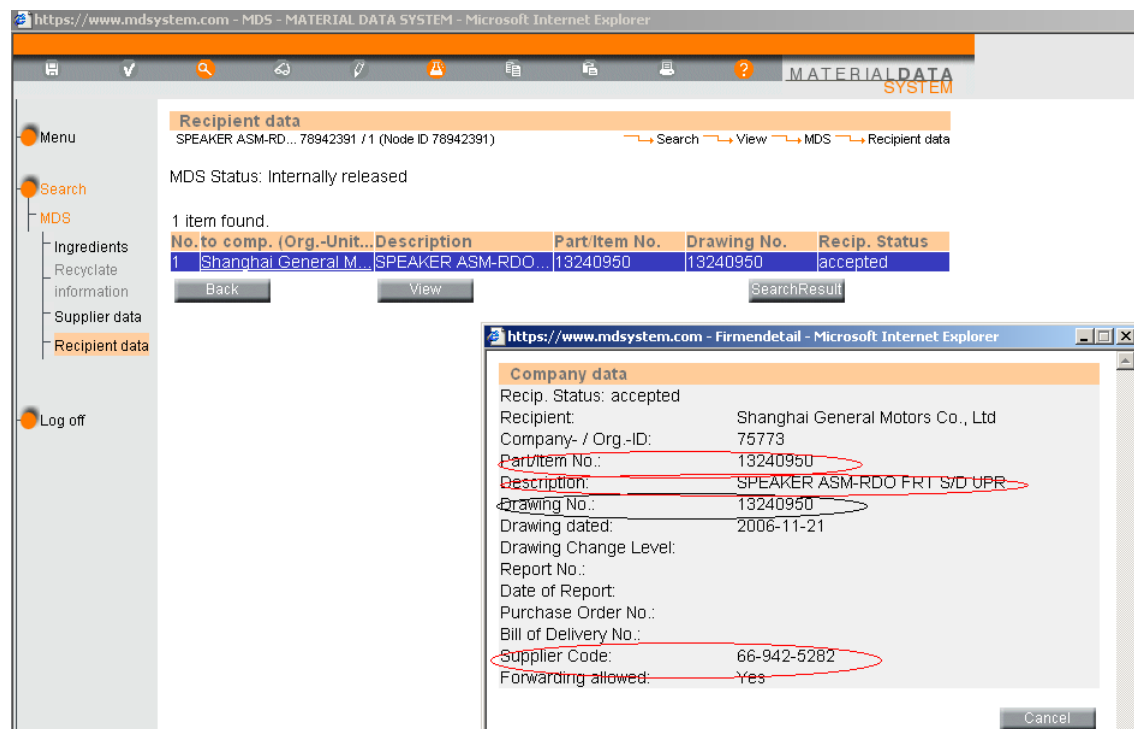
7 完整申报供应商及接受方信息，供应商信息包括公司名称，**DUNS** 代码，联系人姓名及电话，电子邮箱。接受方信息包括零件名，零件号，图纸号，供应商代码等。供应商代码要求和 **DUNS** 代码一致，正确的格式为 **XX-XXX-XXXX**，且保证该代码可以在 www.dnb.com 查询一致。

Declare supplier and recipient info, supplier info including Company, DUNS Number, Contact Person, Telephone No, E-mail, etc. Recipient info including Part No. Part name, Drawing No, Supplier Code. Supplier code should be same with DUNS number and correct format should be XX-XXX-XXXX.

举例：供应商及联系人信息见下表



接受方信息见下表



8 对于内饰零件材料中禁止使用酚醛树脂（CAS number 9003-35-4），甲醛（CAS number 50-00-0）。出现这两类材料或物质表单一律拒绝（电子器件中酚醛树脂的使用可豁免）

Phenol formaldehyde polymer and formaldehyde are forbidden to use in interior parts and will be rejected. But electric and electronic parts are exempted.

9 系统使用语言为英文
Language is English

附件一 材料分类 IMDS material classification

附件二 紧固件表面计算方法 fastener surface calculation

REVISION HISTORY

1.4	Delete direct buy module	2008.12.9
1	新增要求	2010.11.10
2	新增要求	2010.11.10
9	增加供应商代码和 www.dnb.com 查询结果一致的要求	2010.11.10
8	增加对于内饰零件材料中禁止使用酚醛树脂的要求	2010.12
3	增加邮件通知要求	2011.03.29
4	增加 IMDS 表单名称要求	2011.03.29