

### INTRINSIC CONSULTANCY AND TECHNOLOGY SOLUTIONS INC.

# SUPPLIER REJECTION GUIDE





ADDITIONAL INFORMATION: UPDATING BPR (BIOCIDAL PRODUCT REGULATION)

### 1. MATERIAL CLASSIFICATION

### 1.1 Plastics

#### 1.2 Metals

#### RULE 4.4.2.G

For all materials a correct classification must be assigned independent of the material weight in the part.

The flow chart on the right is a guide from the IMDS Recommendation 001a on how to classify materials accordingly.

# Annex I to the IMDS001 RecommendationIMDS 001a1.2 Flow chart for selecting classificationFor reducing variation in selecting VDA classification, the order of judgement is<br/>introduced below.





### **1. MATERIAL CLASSIFICATION**

	😥 🔁 Filter GADSL - 🗸 🗸 show regulatory in	nformation
1.1 Plastics	REJECTION TEXT: Material PA 6 (affected component: Support washer (PN XXXX)) - You have classified this material under 5.1.a (Filled Thermoplastic) but material contains no filler. If this material is really a filled thermoplastic, filler must be disclosed, otherwise, use classification 5.1.b (Unfilled Thermoplastic) instead. I Support washer I © 1 Support washer I © 6.19 PA 6 © 99.0 - 100.0% Polyamid6 © 99.0 - 100.0% Misc., not to declare	Type Material (Module) Name PA 6 Trade name - Internal MatNo Preliminary MDS No <b>Dates</b> Create Date ⑦ Check/Release Date not available ⑦ Recommendation <b>Amounts and Weights</b> Weight 6.1 g <b>Material Information</b> Std. MatNo Symbol - Classification 5.1.a filled Thermoplastics SCIP Material Category - Additional Material - Characteristics

#### To identify, correct and avoid this type of rejection:

- 1. Check the basic substance breakdown of the material being called out. In some cases, the IMDS check will issue a warning on some materials with suspicious classification but not for all. Therefore, to ensure compliance, the owner has to manually check this field.
- 2. Use the IMDS Recommendation Annex 001a document for guidance in checking if the classification used is appropriate against the basic substance breakdown of the material.
- 3. Correct the "Classification" of the affected material as necessary. If the material datasheet used came from your supplier, ask your supplier to make the necessary changes to the material data sheet and use the revised version to resubmit.



#### **1. MATERIAL CLASSIFICATION**

1.2 Metals

This type of error can only be partially detected by the system through its checking functionality. Therefore, it is very important that "manual checking" must be done to avoid this type of rejection.

🕞 🕞 Filter GADSL - 🗸 🗸 show regulator	ry information 🖄 Regulation Wizard
<ul> <li>Filter GADSL</li> <li>Filter GADSL</li> <li>Show regulator</li> <li>Ix Manifold</li> <li>Ix Manifold</li> <li>Ix Manifold</li> <li>Ix Manifold</li> <li>Ix Manifold</li> <li>Ix Manifold</li> <li>Ix Material GJL 250</li> <li>Ix Material GJL 250 (affected component: Material GJL 250 (affected component: Manifold (PN YYYY)) - You have reported material under category 1.2.1 Cast iron with lamellar graphite / tempered cast iron. Basically, cast iron is an iron alloy with more than 2 % carbon but material does not contain any Carbon content. Please investigate the</li> </ul>	ry information
composition of this material.	Material Information Std. MatNo. GJL 250 Symbol - Classification 1.2.1 Cast iron with lamellar graphite / tempered cast

SCIP Material Category -

#### To identify, correct and avoid this type of rejection:

- 1. Check the basic substance breakdown of the material being called out. In some cases, the IMDS check will issue a warning on some materials with suspicious classification but not for all. Therefore, to ensure compliance, the owner has to manually check this field.
- 2. Use the IMDS Recommendation Annex 001a document for guidance in checking if the classification used is appropriate against the basic substance breakdown of the material.
- 3. Correct the "Classification" of the affected material as necessary. If the material datasheet used came from your supplier, ask your supplier to make the necessary changes to the material data sheet and use the revised version to resubmit.



will see.

### 2. PART DESCRIPTION



#### To identify, correct and avoid this type of rejection:

1. To identify this error, manually double-check the "Part name/description" using the Part Drawing (for single components) and Bill of Materials (for assemblies) as basis.

2. Create a new version of the datasheet and edit the Part Description according to what is in the Part Drawing or the Bill of Materials.

Important Note: This type of error is not detectable by the system through its checking functionality. Therefore, it is very important that "manual checking" must be done to avoid this type of rejection

#### **3. APPLICATION CODES**

If a substance in a material MDS is RULE 4.4.5.A **RULE 4.4.5.B** The application code must reflect the real application-relevant, the correct application use of the material within the component. code must be assigned when the material MDS is referenced in a component MDS. V 📣 1× Diode SMD  $\wedge$ Material Information Std. Mat.-No. -Symbol 🌯 Rest 18.7% solder paste RoHS compliant 🖗 Classification 8.1 Electronics (e.g. pc boards, displays) 4 92.5% Lead SCIP Material Category -4 5.0% Tin Additional Material Rest 2.5% Silver Characteristics Norms / Standards -This type of error can be **REJECTION TEXT:** Supplier - 🥐 automatically detected in Material solder paste RoHS compliant (affected Application IMDS if the application code component: Diode SMD (PN 1234))- The Component Diode SMD used is already cancelled. application code is wrong and/or cancelled, Application Basic Substance please resend the MDS with the right codes. % (MIN) % (MAX) Application [ID] Lead 92.50000... 92.50000... circuit boards and other electric applications [13] Remark Remark RoHS/WEEE/ELV: exemption Regulatory Information Check results - 0 Error(s) / 13 Warning(s) No. Type Tab Node / Recipient Message solder paste RoHS compliant Only valid applications can be used for basic substances! Ingredients

### **3. APPLICATION CODES**

2× STUD M5 M780

0.0 - 0.5% Carbon

Rest 99.35% Iron

4 0.0 - 0.34% Sulphur

🔷 0.0 - 0.35% Lead

0.0 - 0.11% Phosphorus

RULE 4.4.5.A

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If a substance in a material MDS is application-relevant, the correct application code must be assigned when the material MDS is referenced in a component MDS.

🗞 2.7g Property Class 14H (Steel for set screws and similar threaded fas

RULE 4.4.5.B

The application code must reflect the real use of the material within the component.

14021) Post-Industrial Recyclate that has been diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials, such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it (home scrap recycling) - %

Content of post-industrial/pre-consumer recyclate (see ISO

Content of post consumer recyclate (see ISO 14021)

Post-Consumer Recyclate has been generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain

Application

Component STUD M5 M780

 Application
 Basic Substance
 % (MIN)
 % (MAX)
 Application [ID]

 Lead
 0
 0.35
 Valve seats [15]

 Semark
 Remark
 Carbon Steel, Case Hardening Steel, Free Outting Steel, Free

Remark Carbon Steel, Case Hardening Steel, Free Cutting Steel, Free Steel

This type of rejection cannot be automatically detected by the IMDS System.

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#### **REJECTION TEXT:**

1.) Material Property Class 14H (Steel for set screws and similar threaded fasteners with specific hardness class (affected component: STUD M5 M780 (PN XXXX))- The part contains Lead which in this **application is restricted according to Volvo STD 100-0005**. Volvo requests you to contact your responsible buyer to initiate the phase out plan for this content.

### **3. APPLICATION CODES**

RULE 4.4.5.A

If a substance in a material MDS is application-relevant, the correct application code must be assigned when the material MDS is referenced in a component MDS.

RULE 4.4.5.B

The application code must reflect the real use of the material within the component.

#### To identify, correct and avoid this type of rejection:

1. During checking, the Application Code will be used as the basis to determine if the "Use / Presence" of the said Prohibited substance is currently "Exempted or Not". For some basic substances (e.g. 4 Heavy Metals (Lead, Cadmium Hex Chrome, Mercury), an Application Code must be selected when the material containing one of these substances is first attached to a component type parent node. The substances requiring an application code are generally substances whose use in automotive products is limited to certain applications.

2. To correct this rejection, when choosing the appropriate application code, ensure that it must correspond with the type of "Part" and "Classification" of the material where the basic substance is present.

3. If you created the datasheet, investigate the material and consult the buyer for the appropriate application code. If the material was sent to you by a supplier ask them to investigate and change if necessary.

**Important Note:** There are some cases wherein this type of error is not detectable by the system through its checking functionality. Therefore, it is very important that "manual checking" must be done to avoid this type of rejection.

If the portion type "range" is selected, the following maximum portion ranges apply:

#### RULE 4.5.4.B

Portion: from X % to Y %	Maximum M = Y % – X %
0 ≤ X ≤ 7.5	M ≤ 3
7.5 < X ≤ 20	M ≤ 5
20 < X ≤ 100	M ≤ 10

If ranges are used (example: 2 % - 8 %), the smaller number defines the row and M value in the table to be used. Consequently, the range 2 % - 8 % is not allowed because for the lower limit 2 %, the maximum Y value is 5 (2 + 3 = 5).

This type of error can be automatically detected in IMDS when the "execute check" is done.

#### **REJECTION TEXT:**

Basic Substance Aluminum (attached under Material COATING – TOPCOAT (affected component: XXXX(PN YYYY))) - The reported substance content is not within the allowed range. The range 20% - 26% is not allowed because for the lower limit 20%, the maximum limit should be 25% (20 + 5 = 25) and not 26%. The maximum range value should be  $\leq$  5. Please refer to IMDS Recommendation 001 for guidance (Rule 4.5.4.B). I suggest that you report the portion to a fixed percentage (e.g. P%).



#### eck results - 1 Error(s) / 154 Warning(s)

Type	Tab	Node / Recipient	Message
Δ	Ingredients	📣 Aluminium (metal)	Range of portion may not exceed allowed percentage.

If the portion type "range" is selected, the following maximum portion ranges apply:

#### RULE 4.5.4.B

Portion: from X % to Y %	Maximum M = Y % – X %
0 ≤ X ≤ 7.5	M ≤ 3
7.5 < X ≤ 20	M ≤ 5
20 < X ≤ 100	M ≤ 10

If ranges are used (example: 2 % - 8 %), the smaller number defines the row and M value in the table to be used. Consequently, the range 2 % - 8 % is not allowed because for the lower limit 2 %, the maximum Y value is 5 (2 + 3 = 5).

#### To identify, correct and avoid this type of rejection:

- 1. To identify this error, click the "Execute Check" functionality in IMDS.
- 2. A "warning message" about the presence of substances with incorrect portion range in the material will appear in the "Check results" window. Double-click on the warning message to get to the affected basic substance.
- 3. Correct the reported portion range by referring to the IMDS Recommendation 001.

#### **5. PART STRUCTURE**

#### **RULE 4.1.A**

Child nodes of the same parent node must be of the same type (ex. a semi-component parent node may consist of all semi-component child nodes or all material child nodes, but not a mixture of semi-component and material child nodes).

A mixture of components with semi-components or materials on the same level is allowed, if the material or semicomponent is not an article, but a coating, lubricant or similar, added to the component.



### **5. PART STRUCTURE**

#### **RULE 4.1.A**

Child nodes of the same parent node must be of the same type (ex. a semi-component parent node may consist of all semi-component child nodes or all material child nodes, but not a mixture of semi-component and material child nodes).

A mixture of components with semi-components or materials on the same level is allowed, if the material or semicomponent is not an article, but a coating, lubricant or similar, added to the component.

#### To identify and avoid this type of rejection:

- 1. To identify this error, click the "Execute Check" functionality in IMDS.
- 2. A "warning message" about the mixture of different types of nodes will appear in the "Check results" window. Double-click on the warning message to get to the affected component.
- 3. Correct the error on the Part Structure. This may require restructuring the datasheet, making sure that the same type of child nodes are attached at the affected parent node. Refer to the IMDS Recommendation 001 document for guidance in the proper creation of datasheet structures. Perform the "Execute Check" functionality in IMDS. The "warning message" should disappear after making the correction.

#### To correct:

- Identify if the material/semicomponent structure mixed with the components is an article or not. Article means "an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition" (Art. 3.3 REACH). //Source: Automotive Industry Guideline on REACH (AIG) Ver. 4.0 European Automobile Manufacturers Association (ACEA). According to the principle of "Once an Article, Always an Article", as known as "O5A", REACH obligations are applied to each individual article in product / complex part.
- 2. If it is an article, register it as a component and not a material. As for non-articles or subsidiary materials or semicomponents, answer the **"Applied to article as"** field in IMDS.

#### **5. PART STRUCTURE**



### **6.** RECIPIENT-SPECIFIC INFORMATION

### VOLVO GROUP AND VCE SPECIFIC GUIDELINE

There may be additional customer-specific requirements that cannot be harmonized, example: requirements concerning the recipient-specific information. For Volvo Group and VCE, a correct **PARMA ID** must be assigned in the Supplier code field in the **Recipient Data** tab.

Received MDSs Ingredients Supplier Data Recipient data	Analysis MDS Request
Volvo Construction Equipment AB [221483] rejected (12/28/2021)	Details
	Transfer Information Company Volvo Construction Equipment AB [221483]
	Organisation unit - Recip. Status rejected
	Supplier Code 73-068-0071
REJECTION TEXT:	
Please, secure that you report the Volvo supplier code (PARMA code) which is mentioned on the order from	
your Volvo purchasing organization. Then please replace it in the "Recipient data" chapter of the MDS and	Drawing No
resubmit the datasheet. For more information, please contact: Support.Substrack.2nd@volvo.com	This type of error cannot be automatically detected in IMDS.

### **6.** RECIPIENT-SPECIFIC INFORMATION

### VOLVO GROUP AND VCE SPECIFIC GUIDELINE

There may be additional customer-specific requirements that cannot be harmonized, example: requirements concerning the recipient-specific information. For Volvo Group and VCE, a correct **PARMA ID** must be assigned in the Supplier code field and the Volvo Part Number must be entered in the Part number field in the **Recipient Data** tab.

#### To identify, correct and avoid this type of rejection:

- 1. Go to the Recipient Data Tab.
- 2. Edit the Supplier Code information by typing in your assigned Parma ID in the "Supplier code" field and the Volvo Part Number in the "Part Number field. <u>You can contact Volvo Purchasing if you do not have these information.</u>

#### 7.1 Mixed Materials

### RULE 4.4.2.G

Every homogeneous material has to be described as a separate material. For information about the definition of "homogeneous", refer to IMDS 001 Annex I, section 1.1. If a material parent node has material child nodes, the material represented by the parent node must be homogeneous. Two or more materials forming layers cannot be regarded as homogeneous. **Example: Zinc coating on steel or paint layers cannot be reported as a material with sub-materials, as the top material is not homogeneous**.

$rac{1}{2}$ 4× Kantenschutz-Dichtprofil	Check/Release Date 3/25/2015 🕜 📑 Recommendation
	Amounts and Weights Portion 19.7 %
V 🍤 19.7% Wire Care 27-2	Material Information
4.48% Iron	Std. MatNo
4.0 - 5.0% Cotton-fibre	Symbol -
0.08 - 0.124% Carbon     0.2 0.57% Managanaga	Classification 1.1.1 unalloyed, low alloyed
<ul> <li>0.3 - 0.37% Manganese</li> <li>0.033% Sulphur</li> </ul>	SCIP Material Category -
only be	Additional Material - Characteristics
ie system	Norms / Standards -

This type of error can only be partially detected by the system through its checking functionality. Therefore, it is very important that "manual checking" must be done to avoid this type of rejection.

#### **REJECTION TEXT:**

1.) Material Wire Care 27-2 (affected components: Kantenschutz-Dichtpr. (PN 12345)) - You have reported a **mixed material**. Mixture of different substances in one material datasheet is not allowed. Every homogeneous material has to be described as a separate material. [IMDS Rec. 001, Rule 4.4.1.D]. For information about the definition of homogeneous, refer to IMDS Rec. 001 Annex I, section 1.1. Please investigate the presence of **4-5% Cotton-fibre in material reported as steel** and classify this accordingly as well.

ydate (see ISO

### 7.1 Mixed Materials

### RULE 4.4.2.G

Every homogeneous material has to be described as a separate material. For information about the definition of "homogeneous", refer to IMDS 001 Annex I, section 1.1. If a material parent node has material child nodes, the material represented by the parent node must be homogeneous. Two or more materials forming layers cannot be regarded as homogeneous. **Example: Zinc coating on steel or paint layers cannot be reported as a material with sub-materials, as the top material is not homogeneous**.

#### To identify, correct and avoid this type of rejection:

- 1. Check the basic substance breakdown of the material being called out. In some cases, the IMDS check will issue a warning on some materials with incorrect material breakdown(i.e. wildcards/jokers exceeding 10%). Therefore, to ensure compliance, the owner has to manually check this field.
- 2. Use the IMDS Recommendation 001a document for guidance in checking if the material breakdown is reported properly.
- **3.** Correct the datasheet of the affected material as necessary. If the material datasheet used came from your supplier, ask your supplier to make the necessary changes to the material data sheet and use the revised version to resubmit.

**Important Note:** Material Breakdown errors can only be partially detected by the system through its checking functionality. Therefore, it is very important that **"manual checking"** must be done to avoid this type of rejection.

### 7.2 Confidential Substances

### RULE 4.5.2.B

If a GADSL update changes the status of substances that are marked as confidential in a material MDS, the respective material MDS must be updated accordingly so that the substance is no longer marked confidential. MDSs containing this material MDS also must be up-dated along the supply chain.

MDS 👻 Fu	nctions 👻 Adminis	itration 🗸 Help 🗸 🔰 📔 🔽 🔚 📔 🔽 🖊 🚨 🛫 🛛 🚨	🔻 🔔 👻 🗑 🚳 💊 🛬 🔏	5151
👋 Rec	eived MDSs Filter GADSL ✓ ♥ 1× Cover ▽ ● 0.09g	Ingredients Supplier Data Recuient data           Supplier Data         Recuient data           Q         Image: Show regulatory information           Sealant Compound         Image: Show regulatory information	Analysis MDS Request Details	This type of error can be automatically detected in IMDS when the "execute check" is done.
	<ul> <li>4 1.95</li> <li>4 1.76</li> <li>4 1.06</li> <li>4 20.3</li> <li>4 0.75</li> <li>4 0.95</li> <li>4 3.26</li> </ul>	<ul> <li>Sodium-poly-acrylate</li> <li>Sodium-poly-acrylate</li> <li>Sodium-poly-acrylate</li> <li>Sodium-hydroxide</li> <li>Confidential Substances </li> </ul>	Type Basic Subst Name(s) Confidentia CAS No. Confidentia CAS No. Confidentia CAS No. Confidentia CAS No. Confidentia NUT: nut Compound (affected component: nust be disclosed and must not be ma to list) update changes the status of a material MDS, the respective mat ance is no longer marked confidentia	ance Substances Cover (PN XXXX)) - Prohibited substances arked as confidential. If a GADSL (suppliers substances that are marked as erial MDS must be updated accordingly so al (IMDS Rec. 001, Rule 4.5.2.B).
Check res	ults - 1 Error(s)	/ 154 Warning(s)		
No. Type	Tab	Node / Recipient	Message	7
85 🚭	Ingredients		Duty-to-declare substance must not be r	marked as confidential.

### 7.2 Confidential Substances

RULE 4.5.2.B

If a GADSL update changes the status of substances that are marked as confidential in a material MDS, the respective material MDS must be updated accordingly so that the substance is no longer marked confidential. MDSs containing this material MDS also must be up-dated along the supply chain (see section 3.2).

#### To identify, correct and avoid this type of rejection:

- 1. Check the basic substance breakdown of the material being called out. In some cases, the IMDS check will issue a warning on some materials with incorrect material breakdown(i.e. wildcards/jokers exceeding 10%). Therefore, to ensure compliance, the owner has to manually check this field.
- 2. To fix this issue, mark the confidential substance as unclassified.
- **3. Correct the datasheet of the affected material** as necessary. If the material datasheet used came from your supplier, ask your supplier to make the necessary changes to the material data sheet and use the revised version to resubmit.

**Important Note:** Material Breakdown errors can only be partially detected by the system through its checking functionality. Therefore, it is very important that **"manual checking"** must be done to avoid this type of rejection.

### 7.3 Liquids and Gases, Reactive Substances and Ions

### RULE 4.4.1.B

A material must be described in its end state. Only basic substances contained in the final material are to be reported (example: cured adhesives or paint coatings are entered without the evaporating solvents).

😥 📴 Filter 🛛 GADSL	~	🔍 🗹 show regulatory information				🖄 Regulation
			^	Na	me(s)	Cyclohexane
						Hexamethylene
EJECTION TEXT:				C^	C No	Hexanaphthene
1aterial Spraying glue F quid or gaseous basic s material must be desc naterial are to be report	R AV (affected compo ubstances (e.g., <b>20-2</b> ribed in its end state. <b>ed (IMDS Rec. 001, R</b> i	onent: Glue (PN XXXX)) - You h 5% Cyclohexanone) contained Only basic substances contair ule 4.4.1.B).	nave reporte in a materi <b>ned in the fi</b>	ed a al. nal REAC	This detec detec Type chec	type of error can only be partially octed in IMDS. This error was not octed because the "Chemical Presence e" was answered so this should be oked manually.
				Amounts and Weigh P Weighted	n <b>ts</b> ortion mean	20.0 - 25.0 % 23.043478%
<ul> <li>▽ ② 1× Glue     <li>▽ ③ 100.0g Spr.     </li> </li></ul>	aying glue FR AV			Basic substance gro Basic substance g	<b>ups</b> iroups	Liquids and Gases
	% Alkylphenolic resin					Process Chemicals
	5.0% Cyclohexane					REACH Annex XVII automotive
4 20.0 - 25	.0% Ethyl-acetate	hydrotreated light				RNES B 00027 - Complete
4 1.0 - 2.0	% Magnesium-oxide			Chemical presence	tvne	RNES B 00027 - Restricted
<ul> <li>10.0 - 19</li> </ul>	.0% 2-Propenoic acid, 2-m	ethyl-, polymer with 2-chloro-1,3-butad	liene	Chemical presence	e type	Intended use 🕜

#### 7.3 Liquids and Gases, Reactive Substances and Ions

### RULE 4.4.1.B

A material must be described in its end state. Only basic substances contained in the final material are to be reported (example: cured adhesives or paint coatings are entered without the evaporating solvents).

#### To identify, correct and avoid this type of rejection:

- 1. Check the basic substance breakdown of the material being called out. Investigate the presence of the substance(s) and whether or not the material is reported in its final form in the vehicle. In some cases, the IMDS check will issue a warning on some materials with the presence of liquids and gases, reactive substances or ions if contained to more than 1% in a material (excluding classification 9.x).
- 2. Use the IMDS Recommendation 001a document for guidance in checking if the material breakdown is reported properly.
- **3.** Correct the datasheet of the affected material as necessary. If the material datasheet used came from your supplier, ask your supplier to make the necessary changes to the material data sheet and use the revised version to resubmit.
- **Important Note:** Material Breakdown errors can only be partially detected by the system through its checking functionality. Therefore, it is very important that **"manual checking"** must be done to avoid this type of rejection.

### 8. MATERIAL NAME

RULE 4.4.2.A	The material name must be entered in Engli optional.	ish in the	EN field. The added name translation in other languages is
RULE 4.4.2.B	The material name must not be a trade name.	Trade nan	nes can be entered in the field "Trade name" .
RULE 4.4.2.C	If the material is described in a public standard public standard (example: ISO 1043-1 and 2 Elastomers), then the material name according	d, or if the for plasti g to this pu	nomenclature for materials of a certain type is described in a cs, ISO 1629 for Elastomers or ISO 18064 for thermoplastic blic standard must be entered.
RULE 4.4.2.D	If no name is available which is described in a p	oublic stan	dard, then the name must be descriptive.
<b>REJECTION</b> Material A: YYYY))- <b>Ma</b> closely rela with the pr 001, Rule 4	<ul> <li>A KAUCUK KOP</li> <li>O.6g AS E109/60</li> <li>37.5% Acrylic resin</li> <li>5.0% Polyester material</li> <li>57.5% Paper</li> </ul> TEXT: S E109/60 (affected component: KAUCUK KOP (PN oterial names should be descriptive and should be descriptive and should be deted to the basic substance breakdown compliant sublic norms/standards you reported (MDS Rec. 4.4.2.C). Please indicate the proper material name.		Details   ✓ Common Information   Type Material (MDS)   Name AS E109/60   Trade name AS E109/60   Internal MatNo. AS E109/60   Preliminary MDS No

#### 8. MATERIAL NAME

#### To identify, correct and avoid this type of rejection:

1.To identify this error, "manually " double-check the Material Names used in every part present in the datasheet. It must correspond to the Basic Substance Breakdown and Classification used in the material.
For Steels – EN 10027, JIS norms, example: STM-C 540
For Aluminum Alloys – EN 573, JIS norms, example: Al-Si12
For Copper Alloys – ISO norms, example: CuAl5
For Plastics – ISO 1043-1 and ISO 1043-2, example: PE-LD
For Elastomers – ISO 1629, example: ACM
For Thermoplastic Elastomers – ISO 18064, example: TPA-ES
2. If no name is available which is described in a public standard, then the name must be descriptive. Examples are:

Aluminum alloy Adhesive layer Basecoat, clear coat Glass Propellant, airbag Lubricant

3.For a (non-standard) descriptive name, the material name should identify the category (example: metal, polymer, mineral, propellant, organic, lubricant).

4.To correct this rejection, If the material datasheet used came from your supplier, asked your supplier to make the necessary changes to the material name and used the revised version to resubmit.

**Important Note:** This type of error is not detectable by the system through its checking functionality. Therefore, it is very important that "<u>manual checking</u>" must be done to avoid this type of rejection

### **9. PRESENCE OF SVHC**

#### **VOLVO SPECIFIC REQUIREMENTS**

IMDS helps both supplier and manufacturer to monitor and identify the presence of Substances of Very High Concern (SVHC) such as GADSL substances, REACH substances, ELV substances and many more.

Aside from legislations concerning REACH, ELV and etc., Volvo Group has published different Standards concerning restrictions with respect to the use of certain chemical substances.

Some of these Standards are:

- STD 100-0002 Chemical Substances which must not be present in processes or products within the Volvo Group (VOLVO'S BLACK LIST)
- STD 100-0003 Chemical Substances which should not be present in processes or products within the Volvo Group (VOLVO'S GREY LIST)
- STD 100-0005 Chemical Substances which must not be present in Volvo Group products placed on the market (VOLVO'S RED LIST)

These standards are available at: https://bit.ly/35DCLaz

### **9. PRESENCE OF SVHC**

This type of error cannot be automatically detected in IMDS and must be manually checked. However, most SVHCs are in red in IMDS.

- 🍘 1× Upholstery N21 🛦
- 🗸 🧔 1× Uph RC LHD Space
  - > 🥥 966.0g SPACE
  - 7 300.0g Spunbond PP Black with UV/FR
  - V S 100.0% PP Black with UV/FR
    - A Rest 94.5% PP-Fibre
    - 2.0 3.0% Pigment portion, not to declare
    - 2.0% Decabromodiphenylether
    - 1.0% Polyethylene

#### **REJECTION TEXT:**

Material PP Black with UV/FR (affected component: Uph RC LHD Space (PN XXXX))-The part contains DecaBDE (CAS 1163-19-5) which is forbidden in parts in EU according to REACH Annex XVII after 2 March 2019 because it constitutes a very high risk for health or environment. It is restricted/ prohibited in most countries where our products are sold and will be prohibited globally in beginning of 2019 because it has been identified as a Persistent Organic Pollutant (POP). The substance should be phased out via PPCN. If not possible contact your responsible buyer.

× Common Information	
Туре	Basic Substance
Name(s)	Decabromodiphenylether
	Diphenylether, decabromoderivate
	PBDE, DBDPE
	C12Br10O
CAS No.	1163-19-5
EINECS-No.	214-604-9
EU-Index	-
GADSL Category	duty-to-declare / prohibited 🛛 🜩 GADSL.org
REACH-SVHC	Yes 🕜
✓Amounts and Weights	
Portion	2.0 %
✓Basic substance groups	
Basic substance groups	EU POP Regulation
	RNES B 00027 - Complete
	RNES B 00027 - Prohibited
	SCIP SVHC

#### To identify, correct and avoid this type of rejection:

1.To identify this error, "manually "double-check the basic substances used in every material present in the datasheet.
 -For Application Relevant SVHCs, make sure that the appropriate application ID is used.
 -For SVHCs with no application code, consult, coordinate, or communicate with your assigned buyer in Volvo Group for the best course of action.

Important Note: This type of error is not detectable by the system through its checking functionality. Therefore, it is very important that "<u>manual checking</u>" must be done to avoid this type of rejection

### **10. PRELIMINARY DATASHEETS**

RULE 4.4.4.A	If the material is marked as "Preliminary" (shown by checking the box, Development Sample Report), whatever parent node it is attached to must also be marked "Preliminary".					
RULE 4.4.4.B	The use of "Prelin solely in "Prelimir material.	ninary" material MDS nary" MDSs, provided	including the Prot there are no GADSL	vats published by the IMD (suppliers to Renault: BGC	S Steering Committee) is allow list) substances contained in t	ed he
RULE 4.4.4.C	The use of "Preli (during PPAP/Initi with this docume	minary" material MD al Sample Report), th nt. entered.	Ss in final MDSs (re e material composit	presenting production pa ion must be known and h	rts) is forbidden. In a final MI las to be declared in accordan	DS ce
	<ul> <li>✓ Sacamshaft,EXHAUST</li> <li>✓ Ø 1× Rohr/tube</li> <li>▷ Ø 1049.0g V</li> </ul>	olvo EU5 Exhaust 26.50x4.25	Details ⊻Common I ¢471.72 Å	nformation Type Semicomponent (MDS) Article Name Volvo EU5 Exhaust 26.	▲ 50x4.25x471.72	
<b>REJECTION TEXT:</b> Semi-Component Volvo EU5 609230)- <b>Preliminary data in a</b> not acceptable. Please answe Sample Report"" for final dat the description field that this if it is a preliminary datashee <b>Recommendation 023</b> for gui	Exhaust 26.50x4.25x47 a non-preliminary datas er NO on the ""Develop asheets otherwise, ind b part is a preliminary d t. Please refer to IMDS dance.	71.72 (PN heet is oment icate in atasheet This to detect	ype of error can be auto ted in IMDS when the " " is done.	Preliminary MDS Yes omatically execute	Warning! If you tick the box, this MDS will be a preliminary version. You will need to send later a final version	3 a -
	Check results - 0 Error(s	) / 3 Warning(s)		Message		
	1 🛕 Ingredients	Volvo EU5 Exhaust 26.5	)x4.25x471. <mark>72</mark>	Preliminary MDSs can only be	referenced within a Preliminary MDS.	

### **10. PRELIMINARY DATASHEETS**

RULE 4.4.4.A	If the material is marked as "Preliminary" (shown by checking the box, Development Sample Report), whatever parent node it is attached to must also be marked "Preliminary".
	The use of "Preliminary" material MDSs (including the ProtMats published by the IMDS Steering Committee) is allowed
RULE 4.4.4.B	solely in "Preliminary" MDSs, provided there are no GADSL (suppliers to Renault: BGO list) substances contained in the material.
RULE 4.4.4.C	The use of "Preliminary" material MDSs in final MDSs (representing production parts) is forbidden. In a final MDS (during PPAP/Initial Sample Report), the material composition must be known and has to be declared in accordance with this document. entered.

#### To identify, correct and avoid this type of rejection:

1. To identify this error, click the "Execute Check" functionality in IMDS.

2.A "warning message" about the presence of "Development Sample datasheet" will appear in the "Check results" window. Double-click on the warning message to get to the affected datasheet.

3. Correct the affected material as necessary. Ensure that the "Development Sample Report" field is answered "NO". Perform the "Execute Check" functionality in IMDS. The "warning message" should disappear after making the correction.

#### ADDITIONAL INFORMATION: UPDATING BPR (BIOCIDAL PRODUCT REGULATION)

Sent MDSs Ingredients Supplier Data Recipient da	ta Analysis MDS Request
😥 🔁 Filter GADSL - 🗸 🗹 show regulatory inform	nation 🖄 Regulation Wizard 🗣
∇ 《Alternator	Detail
<ol> <li>To update BPR:</li> <li>Click on the <u>Regulation Wizard</u> at the upper right corner of the datasheet.</li> <li>2. Choose Biocidal Product Regulation (BPR).</li> <li>Select "Edit Own Regulatory Information". If you manufacture the material containing the potential biocide, this will be your option. But if you are supplied by a material manufacturer containing the potential biocide, you can click "View Supplied Regulatory Information".</li> </ol>	ID / Version Node ID Node count MDS Supplier Volvo Group Description Alternator Part/Item No. Preliminary MDS No Multi Sourced No

#### ADDITIONAL INFORMATION: UPDATING BPR (BIOCIDAL PRODUCT REGULATION)

View 🔻 😥 📁 🛛 Filter	Y	,		1					
Name I	ID / Version	Part/Item No.	CAS No.	EINECS/ELINCS No.	Still in production?	Added for biocidal property?	Biocidal property desired in finished article/product?	Product type	Request upd regulatory information
V 🧳 Front Axle	900132190 / 3	23633134							
V 🧔 Body.									
🗸 🗞 e-plate Ag (electrodepositec 🕻	757767 / 1								
The material classification 4.									
🗸 🍫 High Copper Alloy	158414641 / 3	UNS C19010							
The material classification 3.2									
V 🌯 adhesive 🤮	932511 / 12								
no more BPR substances incluc									
🗸 🍫 NBR Nitrile Butadiene Rubber					Yes				
A Zinc oxide			1314-13-2			No			
V 🌯 NBR		902			Yes				
A Zinc oxide			1314-13-2			No			
📣 Ziram			137-30-4			No			
V 🌯 NBR		878			Yes				
📣 Ziram			137-30-4			No			
	<								



## INTRINSIC CONSULTANCY AND TECHNOLOGY SOLUTIONS INC.

information@i-ntrinsic.com 6322) 402 - 0153 (Philippines) (1) 248 - 537 - 0758 (USA) 46) 313 - 613 - 524 (Sweden)

14th floor Park Centrale Tower, IT Park Lahug, Cebu City, Philippines

