

# Using the Material Declaration Form (MDF)

Supplier Training

Version 3.1  
May 2023



# Legal Disclaimer

This presentation is provided for information only and is not to be relied upon for any purpose, other than educational. The presentation is intended only to provide the general insights, opinions, and/or internally developed guidelines and procedures of Intel Corporation (Intel).

Any recommended operating methods, procedures, software or other information in this presentation are correct to Intel's reasonable knowledge at the time of writing. The information in this document may need to be adapted to your specific situation or work environment. Intel accepts no liability for the implementation of these methods within your manufacturing environment.

Intel makes no representation or warranties regarding this presentation's accuracy or completeness and accepts no duty to update this presentation based on more current information. Intel retains the right to make changes at any time, without notice. Intel assumes no liability and disclaims any express or implied warranty regarding the information in the presentation, including any liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

Any named third-party suppliers are provided for information only. Intel does not endorse any third-party product and accepts no liability in respect to these products.

© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

# Revision History

Document#	Rev	Date	Change Summary
	1.0	September 1, 2019	How to use Excel Material Disclosure Form (MDF)
	2.0	May 15, 2020	Ability to download latest version of the MDF, Removal of LH query statements, IEC 62474 DSL updated to version D19.00
	3.0	October 20, 2021	SCIP information added Training version updated to v3
	4.0	May 25, 2023	MDF version updated to v3.1

# Table of Contents

Intel’s Expectation and Requirements	5
Material Disclosure Form Overview	7
How to Create a Class C Declaration	10
• Business Info	12
• Products	13
• Product – SCIP	14
• SCIP Article Category	15
• Declaration	16
• Material Summary	17
• Material Summary Reporting Guideline	20
• Material Summary – Lead Example	21
How to Create a Class D Declaration	23
• Business Info	25
• Products	26
• Product – SCIP	27
• SCIP Article Category	28
• Declaration	29
• Full Material Disclosure	30

# Intel Expectations and Requirements

The Intel logo consists of a series of four overlapping squares of varying shades of blue, arranged in a descending staircase pattern from left to right. The top square is the lightest blue, and each subsequent square below and to the right is a darker shade of blue.

intel<sup>®</sup>

# Supplier Environmental Compliance Requirements

## Intel's Expectations:

- Suppliers are required to provide a material declaration form for each part, product or product family supplied to Intel, which includes disclosures for RoHS, REACH, Low Halogen and other requirements, as necessary.
- For Products such as board and system, suppliers can submit Class-C according to IPC 1752A or IEC 62474
- For products such as integrated circuits and articles used to assemble integrated circuits, suppliers are required to submit Class-D: full material disclosure (FMD) according to IPC 1752A standard
- Suppliers are required to submit material declaration collaterals through Intel's [Environmental Compliance Portal](#); link to the portal is also provided in the EC data request email notifications to suppliers.

## Accepted Reporting Formats:

Intel has adopted the latest industry standards for materials declaration data exchange. Intel accepts reporting formats in either IPC 1752A or IEC 62474.

- Material Disclosure Form (MDF) is an Intel provided Excel form designed according to the IPC 1752A data exchange standard and can be used to create either an IPC 1752A Class C or Class D declaration.
- Intel accepts reporting formats in either an IPC 1752A XML file generated from a 3rd party tool that has been certified by IPC or IEC 62474 XML file that conforms to the standard.

# Material Disclosure Form Overview

The Intel logo is located in the bottom left corner of the slide. It consists of the word "intel" in a white, lowercase, sans-serif font, followed by a registered trademark symbol (®). The logo is positioned to the right of a decorative graphic of four overlapping squares in shades of blue.

intel<sup>®</sup>

# What is MDF?

MDF is an Excel based custom form that is made available to Intel suppliers to collect product compliance information for submission to Intel. The form offers the following features:

- Alerts suppliers to use the updated version – current version and current version minus 1 will be accepted
- Ability to handle simple to complex product structures
- Ability to configure the file based on the declaration types required by your product (Full Material Declaration or Material Summary only)
- Validation features – prompts the user when any mandatory information as required by Intel is missing
- Ability to generate IPC 1752A xml file from the information
- Any field highlighted in red are mandatory information required for successful validation and submission. Additional information may be required not marked as red

# MDF section overview

**Business Info** – Supplier company and contact information

**Products** – Product and sub-product information and material summary

**SCIP** – SCIP article declaration

**Material Summary** (class C only) – Product record of reportable substances and exemption declaration

**FMD** (class D only) – Full product breakdown by its substances

**Sign Off** – Supplier comments and legal statements, and sign off to lock document

# MDF: How to complete Class C – Material Summary

Display language can be changed from this drop-down menu

Field Name	Intel Requirement
Color Code	Any field highlight in red are mandatory information required for success submission. Any field with red triangle in the upper right corner will give additional information when hovered over
Form Type	Select Class C – Material Summary from drop down menu.
Company Information (English only)	Fill in information of the supplier's company. <ul style="list-style-type: none"> <li>- Company Unique ID is the unique identifier for your company such as DUNS number</li> <li>- The organization that provided the previously entered Company Unique ID</li> </ul>
Supplier Contact (English only)	Fill in information of the supplier contact. <ul style="list-style-type: none"> <li>- Supplier Contact is the contact for Intel.</li> <li>- Supplier Authorized Representative is the person who filled out the form.</li> <li>- Supplier Contact can be same as Supplier Authorized Representation</li> </ul>
Validate and lock section	Validate this section and lock to move onto the Products tab. This section must be validated and locked or the following section will not be available. Each tab can be unlocked as long as the document hasn't been signed off.
Help	Opens a help page with access to online help resources

Business info > **Products** > SCIP > Material Summary > Sign Off

Validate and lock section    Help

Add Product    Add Sub-Products/Child    Delete Row

Level	Product Id	Product Description	Qty	Mass	Mass Type	Is a complex object or an article?	Effective date (yyyy/mm/dd)	EUROHS-1907	REACH-0622
1									
1									
1									

Field Name	Intel Requirement
Add Product	This button is used to add a top-level product at the selected cell
Add Sub-products/Child	This button is used to add subparts to product, or subparts to another subpart. There is no limit to the level of children but typically, most products will only have 2 levels: Product and product parts.
Delete Row	This button is used to delete entry(ies) in the product table. To delete, highlight the product or product part row and then click Delete Row. This will remove all lower-level sub-product within the selected product/sub-product.
Validate and lock section	This button is used to run validation check and lock the Products section. Following sections are not accessible until the Products section has been locked.
Help	This button provides additional help and online resources for the Products tab
Level	This is the current level of this product/sub-product. Level 1 being the highest level (product) and all subsequent levels underneath are part of it.
Product Id	This is the Manufacture Part Number (MPN) as captured in Intel's system.
Product Description	This is a supplier entered description for their product

# Products – cont.

Form reference: 3.1.22.2e | 2464

English

Business info > **Products** > SCIP > Material Summary > Sign Off

Validate and lock section Help

Add Product Add Sub-Products/Child Delete Row

Level	Product Id	Product Description	Qty	Mass	Mass Type	Is a complex object or an article?	Effective date (yyyy/mm/dd)	EUROHS-1907	REACH-0622
1									
1									
1									

Field Name	Intel Requirement
Qty	Number of this part in the product. This is grayed out for Level 1 – not applicable – but is required for L2 and lower (subpart – how many of these L2 (subparts) make up the L1 (product).
Mass	Mass is the weight of the product or product part
Mass Type	The product or product weight unit of measure either in gm or mg.
Is a complex object or an article?	Articles are object that during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
Effective date (optional)	Date which this declaration is valid
EUROHS	Declaration of compliance status to EU RoHS. This can be compliant, compliant by exemptions, non-compliant, or unknown.
REACH	Declaration of REACH substance of very high concern (SVHC) status in this article. This can be no SVHC over limit, contain SVHC over limit, obsolete, or unknown.

# SCIP



Form reference: 3.1.22.2e|2464

English

Business info > Products > **SCIP** > Material Summary > Sign Off

Validate and lock section

Help

Level	Product Id	Product Description	Is a complex object or an article?	SCIP Article Name	SCIP Primary Article Identifier Type	SCIP Primary Article Identifier	SCIP Article Category	SCIP Production in EU	SCIP Safe Use Instructions
1	example JOE1	example description	Yes (SVHC > 0.1%)						

Any field highlighted in red are mandatory information required for successful validation and submission.

Field Name	Intel Requirement
SCIP article name	Enter the name of the article
SCIP Primary Article Identifier Type	Select the desired identifier type from the drop-down menu.
SCIP Primary Article Identifier	This is the article identifier from your chosen article identifier type
SCIP Article category	This is the SCIP article category for the selected part. Clicking this cell will open a pop-up menu to select the article category. <b>See following slide for detailed instructions.</b>
SCIP Production in EU	Select whether the product is produced in European Union or not from the drop-down menu.
SCIP Safe Use Instructions	Enter any safe use instructions of the product.

# SCIP Article Category

Please select an article category

Step 1 - Main Category

- Textiles and textile articles
- Footwear, headgear, umbrellas, sun umbrellas, walking sticks, sea
- Articles of stone, plaster, cement, asbestos, mica or similar materi
- Natural or cultured pearls, precious or semi-precious stones, prec
- Base metals and articles of base metal
- Machinery and mechanical appliances; electrical equipment; parts**
- Vehicles, aircraft, vessels and associated transport equipment
- Optical, photographic, cinematographic, measuring, checking, pr
- Arms and ammunition; parts and accessories thereof
- Miscellaneous manufactured articles
- Works of art, collectors' pieces and antiques
- Live animals; animal products
- Vegetable products

Step 2 - Sub-category

- Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof
- Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and t**

Step 3 - List of Article Categories to select from

- 8501100000 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101000 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101010 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101020 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101030 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101090 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109100 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109110 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109190 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109300 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109310 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109390 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109900 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109910 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109956 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories

Select this Article Category

1 This is the Article Category pop-up menu when clicked on the Article Category cell

2 Select from the Main category

3 Select from the Sub-category

4 Select from List of Article Categories. Use product TARIC code on website: [https://ec.europa.eu/taxation\\_customs/dds2/taric/taric\\_consultation.jsp](https://ec.europa.eu/taxation_customs/dds2/taric/taric_consultation.jsp)

# Material Summary



**1** Click on “Add” button. This will open a window where you can select the product/sub-product.  
**There must be a Material Summary for each of the product's lowest level subproduct**

**2** Select the product/subproduct

Example For Training Purpose Only

# Material Summary – Products/subproducts

Add material summary items

If no substances are over threshold this section can be left blank, just click Validate and lock section to continue.

Select the Group Authority from the dropdown and then select the product or sub-product.

Select the required substance(s) from the results and then click 'Add selected item(s)' to add them to the sheet.

The search box may be used to filter substances entering their name or CAS number.

Group Authority  Search term

Product or sub-product

Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference St	Material	0.1 mass% of total Pb in homoqenous material	All, except batteries
Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference St	Product	0.01 mass%	Consumer products designed or intended primarily for childr
Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference St	Material	0.009 mass% of surface coating material	Paint and similar surface coatings of toys and other articles
Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference St	Material	0.03 mass% of surface coating material	Cables/cords with thermoset or thermoplastic coatings
Lead/Lead Compounds	See Reference Substance worksheet for more details	See Reference St	Product Part	0.004 mass% of battery	Batteries
Lead chromate	7758-97-6	Article		0.1 mass% of article	All
Lead chromate molybdate sulphate red (C.I. Pigment	12656-85-8	Article		0.1 mass% of article	All
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	Article		0.1 mass% of article	All
Sulfurous acid, lead salt, dibasic	62229-08-7	Article		0.1 mass% of article	All
Trilead dioxide phosphonate	12141-20-7	Article		0.1 mass% of article	All
Tetralead trioxide sulphate	12202-17-4	Article		0.1 mass% of article	All
Orange lead (lead tetroxide)	1314-41-6	Article		0.1 mass% of article	All
Pyrochlore, antimony lead yellow	8012-00-8	Article		0.1 mass% of article	All
Pentalead tetraoxide sulphate	12065-90-6	Article		0.1 mass% of article	All
Lead cyanamidate	20837-86-9	Article		0.1 mass% of article	All
Silicic acid (H2Si2O5), barium salt (1:1), lead-doped	68784-75-8	Article		0.1 mass% of article	All
Lead titanium trioxide	12060-00-3	Article		0.1 mass% of article	All
Lead titanium zirconium oxide	12626-81-2	Article		0.1 mass% of article	All
Lead oxide sulfate	12036-76-9	Article		0.1 mass% of article	All
[Phthalato(2-)]dioxotrilead	69011-06-9	Article		0.1 mass% of article	All

Add selected item(s)

**3** Once product/subproject is selected, use the “Search term” to enter and search for the declarable substance. Select the desired declarable substance to highlight, then use the “Add selected item(s)” button to add the material declaration. Multiple declarations can be selected at the same time.

Example For Training Purpose Only

# Material Summary - Mass

Sub Product	Group Authority	Group Identity	Substance Group	Substance	CAS Number	Reporting Level	Threshold	Reportable Application	Above Threshold?	Mass (mg)	Material Mass %	Material Name
example JOE1	IEC	00021	Lead/Lead Compounds	See Reference Substa	See Reference Substance w.	Material	0.1 mass% of total Pb in homogeno	All, except batteries	Yes			
example JOE1	IEC	00154		Lead	7439-92-1	Article	0.1 mass% of article	All	Yes			

**4** Fill in the required information marked as **RED**. Hover over the title cells denoted by the upper-right red triangle to open additional details

Field Name	Intel Requirement
Mass (mg)	The mass of the declared substance (If lead is declared, enter the mass of the lead)
Material Mass %	Percentage material weight against the product or product part. Material here refers to the material that contains the restricted chemical. <b>Only fill in when highlighted in red</b>
Material Name	Enter description of the material

$$\text{Material Mass \%} = \frac{\text{Mass of the material containing restricted substance}}{\text{Mass of the product or subproduct}}$$

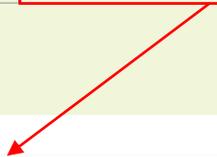
Example: Material Mass percent of lead in glass in resistor:

$$\text{Material Mass \%}_{\text{material name}} = \frac{\text{Mass}_{\text{glass with lead}}}{\text{Mass}_{\text{resistor}}} \times 100$$

Example For Training Purpose Only

# Material Summary – RoHS exemption

Material Name	Material Class	Exemptions	SCIP Material Category	SCIP Mixture Category	SCIP additional material characteristics	Is UVCB?



**5** Enter the Exemptions if RoHS exemptions has been declared in the Products tab by clicking in the corresponding cell of its product/subproduct. A RoHS exemption window will pop-up

**6** Select the applicable exemptions then click the "Add selected exemptions" button. Multiple exemptions may be selected at the same time.

List RoHS exemptions ✕

Click to highlight all exemptions that apply from the list below. Click Add selected exemptions when finished.

Search

Exemption	Description
1(b)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 30 W and < 50 W: 3,5 mg
1(c)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 50 W and < 150 W: 5 mg
1(d)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 150 W: 15 mg
1(e)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes with circular or square structural shape and tube diameter = 17 mm: 5 mg
1(f)-I	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg
1(f)-II	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For special purposes: 5 mg
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg
2(a)(1)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg
2(a)(2)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter = 9 mm and = 17 mm (e.g. T5): 3 mg
2(a)(3)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and = 28 mm (e.g. T8): 3,5 mg
2(a)(4)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3,5 mg
2(a)(5)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with long lifetime (= 25 000 h): 5 mg
2(b)(3)	Mercury in other fluorescent lamps not exceeding (per lamp): Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9): 15 mg
2(b)(4)-I	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg
2(b)(4)-II	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps emitting mainly light in the ultraviolet spectrum: 15 mg
2(b)(4)-III	Mercury in other fluorescent lamps not exceeding (per lamp): Emergency lamps: 15 mg
3(a)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Short le
3(b)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Medium
3(c)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Long le
4(a)	Mercury in other low pressure discharge lamps (per lamp): 15 mg
4(a)-I	Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lar
4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P = 105 W: 16 mg may be used per burner
4(b)-I	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P = 155 W: 30 mg may be used per burner
4(b)-II	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: 155 W < P = 405 W: 40 mg may be used per burner
4(b)-III	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P > 405 W: 40 mg may be used per burner
4(c)-I	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P = 155 W: 20 mg
4(c)-II	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): 155 W < P = 405 W: 25 mg
4(c)-III	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P > 405 W: 25 mg
4(e)	Mercury in metal halide lamps (MH)

Example For Training Purpose Only

# Material Summary - SCIP

Material Name	Material Class	Exemptions	SCIP Material Category	SCIP Mixture Category	SCIP additional material characteristics	Is UVCB?

**7** Enter the SCIP Material/Mixture Category if REACH has been declared in the Products tab by clicking in the corresponding cell of its product/subproduct. A drop-down menu will pop-up

**8** Select the applicable SCIP Material/Mixture Category

Field Name	Intel Requirement
Material Class (optional)	The Material Class IDs are defined by the IEC 62474 database which is published at <a href="http://std.iec.ch/iec62474">http://std.iec.ch/iec62474</a> .
Exemption	Any exemption which applies at this level. This is required information
SCIP Material Category	Select from dropdown menu the applicable SCIP material category.
SCIP Mixture Category	Select from dropdown menu the applicable SCIP mixture category.

# Material Summary Reporting Guidelines

- Suppliers are expected to provide comprehensive information on reportable substances
- Suppliers are expected to provide REACH declarations at the lowest level article
- One chemical substance can have multiple reporting threshold and multiple line items reporting.  
See IEC Declarable Substance List for details:  
<https://std.iec.ch/iec62474/iec62474.nsf/Index?open&q=202734>
- SCIP Material Category or SCIP Mixture Category are required information when applicable

# Sign Off



Please return this form no later than 2022/07/04 (OVERDUE)

Form reference: 3.1.22.2e | 2464

English

Business info

Products

SCIP

Material  
Summary

Sign Off

Sign off

Help

## Supplier Comments

Legal Statement

Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Customer will rely on this certification in determining the compliance of its products with local, national, and international laws. Customer acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier represents and warrants that, at a minimum, it's suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. Supplier also represents and warrants that it is not aware of any facts or information that would contradict or undermine the information in this certification. If Customer and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and Customer's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part will apply.

- Sign Off tab is used as final check and sign-off and lock of this document. **File cannot be edited once signed and locked. It is recommended to save a copy BEFORE signing off.**
- Click Sign Off to sign off this document and lock

Example For Training Purpose Only

# MDF: How to complete Class D – Full Material Disclosure

Display language can be changed from this drop-down menu

Field Name	Intel Requirement
Color Code	Any field highlight in red are mandatory information required for success submission. Any field with red triangle in the upper right corner will give additional information when hovered over
Form Type	Select Class D – Material Summary from drop down menu.
Company Information (English only)	Fill in information of the supplier's company. <ul style="list-style-type: none"> <li>- Company Unique ID is the unique identifier for your company such as DUNS number</li> <li>- The organization that provided the previously entered Company Unique ID</li> </ul>
Supplier Contact (English only)	Fill in information of the supplier contact. <ul style="list-style-type: none"> <li>- Supplier Contact is the contact for Intel.</li> <li>- Supplier Authorized Representative is the person who filled out the form.</li> <li>- Supplier Contact can be same as Supplier Authorized Representation</li> </ul>
Validate and lock section	Validate this section and lock to move onto the Products tab. This section must be validated and locked or the following section will not be available. Each tab can be unlocked as long as the document hasn't been signed off.
Help	Opens a help page with access to online help resources

Business info > **Products** > SCIP > Material Summary > Sign Off

Validate and lock section    Help

Add Product    Add Sub-Products/Child    Delete Row

Level	Product Id	Product Description	Qty	Mass	Mass Type	Is a complex object or an article?	Effective date (yyyy/mm/dd)	EUROHS-1907	REACH-0622
1									
1									
1									

Field Name	Intel Requirement
Add Product	This button is used to add a top-level product at the selected cell
Add Sub-products/Child	This button is used to add subparts to product, or subparts to another subpart. There is no limit to the level of children but typically, most products will only have 2 levels: Product and product parts. <b>Class D declarations requires subproduct mass to add up to 100% of the product mass.</b>
Delete Row	This button is used to delete entry(ies) in the product table. To delete, highlight the product or product part row and then click Delete Row. This will remove all lower-level sub-product within the selected product/sub-product.
Validate and lock section	This button is used to run validation check and lock the Products section. Following sections are not accessible until the Products section has been locked.
Help	This button provides additional help and online resources for the Products tab
Level	This is the current level of this product/sub-product. Level 1 being the highest level (product) and all subsequent levels underneath are part of it.
Product Id	This is the Manufacture Part Number (MPN) as captured in Intel's system.
Product Description	This is a supplier entered description for their product

# Products – cont.



Form reference: 3.1.22.2e | 2464

English

Business info > **Products** > SCIP > Material Summary > Sign Off

Validate and lock section Help

Add Product Add Sub-Products/Child Delete Row

Level	Product Id	Product Description	Qty	Mass	Mass Type	Is a complex object or an article?	Effective date (yyyy/mm/dd)	EUROHS-1907	REACH-0622
1									
1									
1									

Field Name	Intel Requirement
Qty	Number of this part in the product. This is grayed out for Level 1 – not applicable – but is required for L2 and lower (subpart – how many of these L2 (subparts) make up the L1 (product)).
Mass	Mass is the weight of the product or product part
Mass Type	The product or product weight unit of measure either in gm or mg.
Is a complex object or an article?	Articles are object that during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
Effective date (optional)	Date which this declaration is valid
EUROHS	Declaration of compliance status to EU RoHS. This can be compliant, compliant by exemptions, non-compliant, or unknown.
REACH	Declaration of REACH substance of very high concern (SVHC) status in this article. This can be no SVHC over limit, contain SVHC over limit, obsolete, or unknown.

# SCIP



Form reference: 3.1.22.2e|2464

English

Business info > Products > **SCIP** > Material Summary > Sign Off

Validate and lock section Help

Level	Product Id	Product Description	Is a complex object or an article?	SCIP Article Name	SCIP Primary Article Identifier Type	SCIP Primary Article Identifier	SCIP Article Category	SCIP Production in EU	SCIP Safe Use Instructions
1	example JOE1	example description	Yes (SVHC > 0.1%)						

Field Name	Intel Requirement
SCIP article name	Enter the name of the article
SCIP Primary Article Identifier Type	Select the desired identifier type from the drop-down menu.
SCIP Primary Article Identifier	This is the article identifier from your chosen article identifier type
SCIP Article category	This is the SCIP article category for the selected part. Clicking this cell will open a pop-up menu to select the article category. <b>See following slide for detailed instructions.</b>
SCIP Production in EU	Select whether the product is produced in European Union or not from the drop-down menu.
SCIP Safe Use Instructions	Enter any safe use instructions of the product.

Any field highlighted in red are mandatory information required for successful validation and submission.

# SCIP Article Category

Please select an article category

Step 1 - Main Category

- Textiles and textile articles
- Footwear, headgear, umbrellas, sun umbrellas, walking sticks, sea
- Articles of stone, plaster, cement, asbestos, mica or similar materi
- Natural or cultured pearls, precious or semi-precious stones, prec
- Base metals and articles of base metal
- Machinery and mechanical appliances; electrical equipment; parts**
- Vehicles, aircraft, vessels and associated transport equipment
- Optical, photographic, cinematographic, measuring, checking, pr
- Arms and ammunition; parts and accessories thereof
- Miscellaneous manufactured articles
- Works of art, collectors' pieces and antiques
- Live animals; animal products
- Vegetable products

Step 2 - Sub-category

- Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof
- Electrical machinery and equipment and parts thereof; sound recorders and reproducers, television image and sound recorders and t**

Step 3 - List of Article Categories to select from

- 8501100000 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101000 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101010 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101020 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101030 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501101090 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109100 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109110 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109190 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109300 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109310 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109390 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109900 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109910 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories
- 8501109956 - Machinery and mechanical appliances; electrical equipment; parts thereof; sound recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories

Select this Article Category

1 This is the Article Category pop-up menu when clicked on the Article Category cell

2 Select from the Main category

3 Select from the Sub-category

4 Select from List of Article Categories. Use product TARIC code on website: [https://ec.europa.eu/taxation\\_customs/dds2/taric/taric\\_consultation.jsp](https://ec.europa.eu/taxation_customs/dds2/taric/taric_consultation.jsp)

# Full Material Disclosure (FMD)

Add row		Delete row		Change to gm			Show example				
Product or sub-product	Material	Material Mass (mg)	Substance	CAS	Concentration (PPM)	Substance Mass (mg)	Exemptions	SCIP Material category	SCIP Mixture category	SCIP additional material characteristics	is UVCB?

Field Name	Intel Requirement
Add row/Delete row	Add or delete row at the selected cell
Change to gm	Use to change the Material Mass and Substance Mass to gm or mg
Show example	Use to show an example FMD entry
Product Or Sub Product	Select from the pop-up menu the product or the sub product as listed on the product tab.
Material	Enter the name of the homogenous material. A product/sub product can contain multiple materials.
Material Mass (mg)	This refers to the material weight. If multiple materials are declared, the sub of all the material weights must roll up to 100% of the product part or product weight. Use <b>Change to gm</b> button to alternate between mg and gm.
Substance	This is the name substance being reported.
CAS	This is the CAS # of the substance.
Concentration	This is the concentration of the corresponding material in PPM. You may enter concentration or substance mass and the document will calculate the other.
Substance Mass	This is the substance weight in mg. The total substance weights must roll up to 100% of the material weight. Use <b>Change to gm</b> button to alternate between mg and gm. You may enter concentration or substance mass and the document will calculate the other.
Exemption	If a ROHS substance is reported and an applicable substance is claimed, click on the Exemption cell to activated dropdown list.
SCIP Material Category/ Mixture Category	For articles contain SVHC above threshold, please fill in the appropriate SCIP Material/Mixture Category.

# Full Material Disclosure (FMD)

**1** Product/sub-product window will pop up upon clicking on cell directly below the "Product or sub-product" cell

**2** Select the product/subproduct

Select product/sub-product

Provide FMD data for the products/sub-products listed below:

After selecting an item complete the material and substance details in the sheet. Add as many materials and the substances they contain to complete

0 out of 1 added (0% complete).  
1 remaining.

example JOE 2

Product or sub-product	Material	Material Mass (mg)	Substance	CAS	Concentration (PPM)	Substance Mass (mg)	Exemptions	SCIP Material category	SCIP Mixture category
example JOE 2	Material...	Material mass...	Substance...		Concentration PPM...			other: ceramic > clays / silicate ceramic ceramic > clays / silicate ceramic > clays ceramic > clays / silicate ceramic > earthenware ceramic > clays / silicate ceramic > porcelain or china ceramic > clays / silicate ceramic > stoneware ceramic > clays / silicate ceramic > other ceramic > oxide ceramic	

**3** Select the SCIP Material/Mixture category if applicable (REACH declared).

Product or sub-product	Material	Material Mass (mg)	Substance	CAS	Concentration (PPM)	Substance Mass (mg)	Exemptions	SCIP Material category	SCIP Mixture category
example JOE 2	Material...	Material mass...	Substance...		Concentration PPM...				

**4** Fill in the Material, Material Mass, Substance, CAS, PPM, Substance Mass and the corresponding Exemptions.

Example For Training Purpose Only

# Full Material Disclosure (FMD) – RoHS exemption

Concentration (PPM)	Substance Mass (mg)	Exemptions	SCIP Material category	SCIP Mixture category
Concentration PPM...				

**5** Enter the Exemptions if RoHS exemptions has been declared in the Products tab by clicking in the corresponding cell of its product/subproduct. A RoHS exemption window will pop-up

**6** Select the applicable exemptions then click the "Add selected exemptions" button. Multiple exemptions may be selected at the same time.

List RoHS exemptions

Click to highlight all exemptions that apply from the list below. Click Add selected exemptions when finished.

Search

Exemption	Description
1(b)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 30 W and < 50 W: 3,5 mg
1(c)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 50 W and < 150 W: 5 mg
1(d)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes = 150 W: 15 mg
1(e)	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For general lighting purposes with circular or square structural shape and tube diameter = 17 mm: 5 mg
1(f)-I	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg
1(f)-II	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner): For special purposes: 5 mg
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg
2(a)(1)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg
2(a)(2)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter = 9 mm and = 17 mm (e.g. T5): 3 mg
2(a)(3)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and = 28 mm (e.g. T8): 3,5 mg
2(a)(4)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 3,5 mg
2(a)(5)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp): Tri-band phosphor with long lifetime (= 25 000 h): 5 mg
2(b)(3)	Mercury in other fluorescent lamps not exceeding (per lamp): Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9) 15 mg
2(b)(4)-I	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg
2(b)(4)-II	Mercury in other fluorescent lamps not exceeding (per lamp): Lamps emitting mainly light in the ultraviolet spectrum: 15 mg
2(b)(4)-III	Mercury in other fluorescent lamps not exceeding (per lamp): Emergency lamps: 15 mg
3(a)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Short le
3(b)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Medium
3(c)	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp): Long le
4(a)	Mercury in other low pressure discharge lamps (per lamp): 15 mg
4(a)-I	Mercury in low pressure non-phosphor coated discharge lamps, where the application requires the main range of the lamp-spectral output to be in the ultraviolet spectrum: up to 15 mg mercury may be used per lar
4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P = 105 W: 16 mg may be used per burner
4(b)-I	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P = 155 W: 30 mg may be used per burner
4(b)-II	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: 155 W < P = 405 W: 40 mg may be used per burner
4(b)-III	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60: P > 405 W: 40 mg may be used per burner
4(c)-I	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P = 155 W: 20 mg
4(c)-II	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): 155 W < P = 405 W: 25 mg
4(c)-III	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): P > 405 W: 25 mg
4(e)	Mercury in metal halide lamps (MH)

Example For Training Purpose Only

# Full Material Disclosure (FMD) - Example

Example on how to structure part/component in FMD Tab:

Product or sub-product	Material	Material Mass (mg)	Substance	CAS	Concentration (PPM)	Subst
Cable G806	Plastic casing	4.0000	Bisphenol A	80-05-7	500000	
			Silicon	7440-21-3	500000	
	Copper wire	4.0000	Copper	7440-50-8	750000	
			Lead	7439-92-1	250000	
Pin G806	Tin plate	1.5000	Tin	7440-31-5	800000	
			Nickel	7440-02-0	200000	
			Plastic film	0.5000		
			PET	25038-59-9	1000000	

- This table is showing FMD for Cable G806 and Pin G806
- 2 materials in Cable G806: Plastic casing and Copper wire
- Substance Mass under each material adds up to their respective Material Mass or concentration adds up to 100%

Example For Training Purpose Only

# Sign Off



Form reference: 3.1.22.2b|2455

English

Business info

Products

SCIP

FMD

Sign Off

Sign off

Help

Supplier Comments

Legal Statement

Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Customer will rely on this certification in determining the compliance of its products with local, national, and international laws. Customer acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier represents and warrants that, at a minimum, it's suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. Supplier also represents and warrants that it is not aware of any facts or information that would contradict or undermine the information in this certification. If Customer and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and Customer's remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier's Standard Terms and Conditions of Sale applicable to such part will apply.

- Sign Off tab is used as final check and sign-off and lock of this document. **File cannot be edited once signed and locked. It is recommended to save a copy BEFORE signing off.**
- Click Sign Off to sign off this document and lock

Example For Training Purpose Only

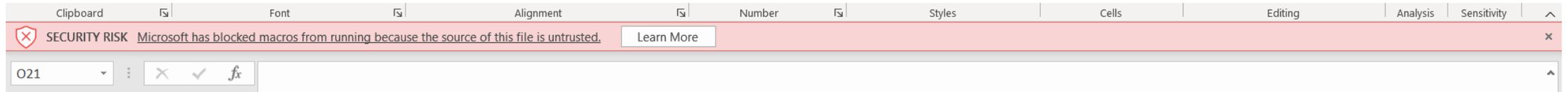
# Additional Notes



intel<sup>®</sup>

# Additional Notes

- Enabling Macros



- Follow the instructions provided by Microsoft to enable Macros in the MDF form

The Intel logo is centered on a solid blue background. It consists of the word "intel" in a white, lowercase, sans-serif font. A small blue square is positioned above the letter 'i'. To the right of the word "intel" is a registered trademark symbol (®).

intel®