

The Western Digital logo is displayed in white text on a black background. The background features a colorful, abstract graphic on the right side consisting of numerous thin, overlapping lines in shades of orange, red, and purple, creating a sense of motion and digital data.

Western Digital[®]

Supplier MDDS Template Input Guidelines

Agenda

- **Introduction of Supplier MDDS form**
- **MDDS Form Sheet Input**
- **Lab Test Data Sheet Input**
- **Note for Lab Test Report**
- **Examples of Incorrect Lab Test Report**
- **Environmental Declaration of Conformity**
- **Using the Macro**

Introduction of Supplier MDDS form

- There are total of 3 sheets to be filled up by suppliers. For each sheet, do not rename the tab.
 - MDDS
 - Lab Test Data
 - EDoC

MDDS Form Sheet Input

- Area highlighted in yellow (General information) is mandatory to fill up

Material Data Declaration Sheet		<input type="button" value="Check Input"/>	<input type="button" value="+ 10 Rows"/>	<input type="button" value="RESET"/>	<input type="button" value="Export"/>	Western Digital
Date						
Product Line						
WD Part Number						
Supplier Part Number						
Product Description						
Product Revision						
Product Total Weight (g)						
Contact Information	Company					
	WD Supplier Code					
	Contact Name					
	Address					
	Email					
	Phone Number					

MDDS Form Sheet Input

Note for General information:

- **Date:** The date at which supplier submitted MDDS to Western Digital.
- **Product Line:** Supplier shall choose from the product categories defined in GP from **the dropdown menu.**
- **WD Part Number:** WD Procurement shall provide WD P/N to supplier.
- **Supplier Part Number** The part number supplier uses internally. If supplier does not have this P/N, can use corresponding WD P/N instead.
- **Product description:** Description for the product.
- **Product Revision:** Product revision number.
- **Contact information:** Supplier contact information including supplier name, supplier code (received from WD procurement), contact name, address, email and phone number.

Reminder: WD system only captures English language, please do not submit other than English

MDDS Form Sheet Input

Example on how to fill up

Material Data Declaration Sheet								Check Input	+ 10 Rows	RESET	Export	Western Digital	
Date	08/08/24												
Product Line	Category 1												
WD Part Number	12345												
Supplier Part Number	4321												
Product Description	Enter Revision Here												
Product Revision	Enter Description Here												
Product Total Weight (g)	Do Not Enter the total weight here, this will be Auto-Calculated												
Contact Information	Company	Enter Supplier Company Name Here											
	WD Supplier Code	Enter Supplier Code Here											
	Contact Name	Name											
	Address	Enter Address Here											
	Email	Name@Company.com											
	Phone Number	123-456-7890											
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Locati					



MDDS Form Sheet Input

- **Suppliers are mandatory to fill up the detail homogenous material information**

- 1. Homogenous Subcomponent:**

Materials used on WD product that cannot be mechanically disjointed into different materials

- 2. Homogenous Subcomponent Weight (g):**

Total Homogeneous subcomponent weight and total substances weight must tally and input manually

- 3. Substances:**

The chemical elements included in homogenous subcomponent

- 4. CAS Number:**

Chemical Abstracts Service Registry Number, which is a unique identifier for the chemical substance. CAS# should match with respective substance

- 5. Substance Weight (g):**

Weight of each chemical substance

MDDS Form Sheet Input

5. Purpose:

For what purpose substance is used

6. Location:

The location where substance is used on subcomponent

7. EU RoHS Exemption:

Select RoHS exemption from the exemption dropdown menu. If there is no exemption needed, leave it blank

8. Is this substance process chemical

Select Yes or No from the dropdown menu to identify the process chemical

MDDS Form Sheet Input

Example for Homogenous Material Declaration

Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location	Does this substance contain process chemical
Core Material	0.648	copper foil	N/A	---	0.4212			Core	No
		glass fiber	N/A	65997-17-3	0.1166				No
		Epoxy resin	N/A	N/A	0.1102				No
Solder Mask	0.165	Formaldehyde,polymer with 2	N/A	28906-96-9	0.0285			Solder Mask	No
		Triglycidyl isocyanurate	N/A	2451-62-9	0.0223				No
		slovent naphtha,heavy aromatic	N/A	64742-94-5	0.0144				No
		dipentaerythritol hexaacrylate	N/A	29570-58-9	0.0152				No
		dipentaerythritol pentaacrylate	N/A	60506-81-2	0.0141				No
		diethylene glycol monoethyl ether acetate	N/A	112-15-2	0.0149				No
		melamine	N/A	108-78-1	0.0071				No
		trimethylolpropane triacrylate	N/A	15625-89-5	0.0064				No
Copper Plating	0.651	Naphthalene	N/A	91-20-3	0.0014				No
		Other	N/A	---	0.0406				No
		Copper	Cu	7440-50-8	0.6506			Conductor	No
		Zinc	N/A	7440-66-6	0.0001				No

MDDS Form Sheet Input

Wrong Way to Enter Material Declaration Data ✘

Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location	Does this substance contain process chemical
Core Material	0.648	Please Enter Here							
		glass fiber	N/A	65997-17-3	0.1166				
Solder Mask	0.165	Epoxy resin	N/A	N/A	0.1102				
		Formaldehyde, polymer with 2	N/A	28906-96-9	0.0285				
		Triglycidyl isocyanurate	N/A	2451-62-9	0.0223				
		slovent naphtha, heavy aromatic	N/A	64742-94-5	0.0144				
		dipentaerythritol hexaacrylate	N/A	29570-58-9	0.0152				
		dipentaerythritol pentaacrylate	N/A	60506-81-2	0.0141				
		diethylene glycol monoethyl ether acetate	N/A	112-15-2	0.0149				
		melamine	N/A	108-78-1	0.0071				
		trimethylolpropane triacrylate	N/A	15625-89-5	0.0064				
		Naphthalene	N/A	91-20-3	0.0014				
Copper Plating	0.651	Other	N/A	---	0.0406				
		Copper	Cu	7440-50-8	0.6506				
		Zinc	N/A	7440-66-6	0.0001				

Do not leave any gaps, Please make sure there are no yellow/red filled cells

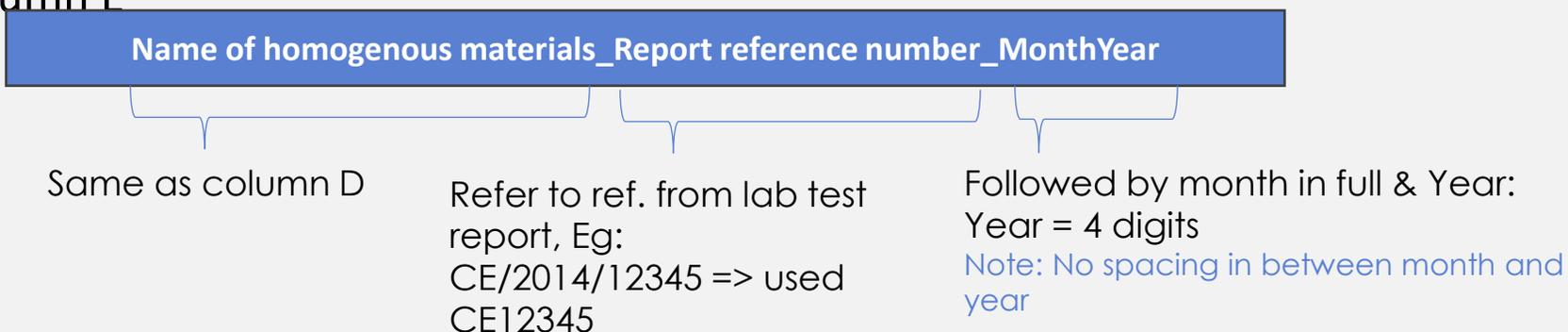
Lab Test Data Sheet Input

1. General Information

- General information must be manually entered from MDDS Form sheet
- For this sheet, suppliers required to fill up column C to E and column G to O

2. Lab Test Report (Column E)

- Suppliers are **MANDATORY** to follow the renaming of lab report reference number for column E as below.
- All the test report copies must be renamed accordingly
- If RoHS and Halogen were tested separately. Please rename both accordingly and provide 2 references in column E



Example of **CORRECT** renaming: **Housing_CE12345_June2024**

Note:

- All the Information should be entered same in MDDS and Lab test data

Lab Test Data Sheet Input

– Column G to O: Test Results, Test Date & RoHS Exemption

4. Test Results

Input data as per reported in lab test report. If test result is Not Detected, input as “ND”; if test report is not required (eg, halogen report for metallic application) input test result as “NA”.

5. Test date

Referring to the issuance date of the report

6. EU RoHS Exemption

Select RoHS exemption from dropdown menu if any. Leave it as blank if not applicable

7. Is this substance process chemical

Select Yes or No from the dropdown menu to identify the process chemical

Lab Test Data Sheet Input

Example to fill general information and test result:

- Please fill only the Test Results
- Components, Subpart, and Homogeneous Materials will be Automatically Populated

Western Digital.

Check Input

+1 Result Table

WD Part Number	12345
Supplier Part Number	4321
Supplier Name	Company Name Here

Reminder to suppliers:
 1) Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9)
 2) Provide the lab test report reference number at Column E respectively

Attach Lab test report (in zip file) to Cell C9

Attach Zip File Containing all the Lab Reports here

Components	Subpart	Homogenous materials	Lab test reports	Test Results									
				Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
4321	N/A	Solder Mask	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	ND	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption										
	N/A	Core Material	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	ND	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption										
	N/A	Copper Plating	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	1000	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption										
	N/A	Nickel Plating	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	1500	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption	Other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound									
	N/A	Soft Gold	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	ND	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption										
	N/A	Hard Gold	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
			Result	ND	ND	ND	ND	ND	ND	ND	ND		
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
			RoHS exemption										

Attach Lab Reports of each Homogeneous Material in the respective cells

Note for Lab Test Report

- **WD only accepts the lab test reports from ISO17025 certified 3rd party laboratories**
- **All the test reports must be within 1 year validity from the data of issuance**
- **A complete test report must include the below content:**
 1. General information: reference number of test report, supplier name, sample name, sample description, sample type, test period and etc
 2. Testing process and test result: test requirement, test method/ flow, sample preparation, test substance, MDL and test result
 3. Sample picture.
- **MSDS (Material Safety Date Sheet) is not accepted to replace test report**

Examples of Incorrect Lab Test Report

Incorrect lab test report example:

Example 1: The description for paste in lab test reports are mismatch.

Description for specimen 1 : Dk-**brown** paste **RoHS & Halogen**

Description for specimen 1 : Dk-**grey** paste **Sb Lab Test Report**

All the lab test reports description for paste should be consistent.

Example 2: The color description in MDDS mismatch with description in lab test report.

Especially ink, powder, solder paste etc.

Product
Description BOOT, SDCZ4T-004G, MICROSKINS, BLUE MORPHO

sample Name	色粉
sample Description	Deep red powder

Examples of Incorrect Lab Test Report

Example 3: Lab test report with sample mixed tested won't be accepted. Homogenous level lab test report is required.

测试样品描述:

样品编号	SGS样品ID	描述
1	SHA13-068522.001	透明膜带银色涂层 (混合测*)

Test Result(s)

PART NAME No.1 : TRANSPARENT BROWN PLASTIC FILM (INCLUDING THE RELEASE PAPER)

Example 4: Description of material in MDDS sheet mismatch with that in lab test report

30		Syntheetic Rubber
31	Leadframe DCI	Silicon
32		Nickel
33		Magnesium
34		Iron
35		Zinc
36		Manganese
37		

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42, SUNGJU-DONG, CHANGWON, KOREA

The following sample(s) was/were submitted and identified:

Sample Description : AYAU12-03482 (ONE S
Style/Item No. : C7025-UPG RT
Order No. : LF_RoHS_1206-003

Examples of Incorrect Lab Test Report

Example 5: Validity date expired. WD shall request supplier to provide latest lab test report.

The following sample(s) was/were submitted and identified by the applicant as:

Sample Submitted By : MURATA MANUFACTURING CO., LTD.
Sample Name : Wire CU_230831
CLIENT REF No : 1230724011

=====
Sample Receiving Date : 24-Aug-2023
Testing Period : 24-Aug-2023 to 31-Aug-2023

WD only accepts test reports within 1 year validity (from date of issuance)

Example 6: Soluble substance lab test report can't be accepted by WD.

1) Soluble Antimony Content

With reference to EN71 part 3: 1994 (including amendment A1: 2000+ AC:2002). Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer.

Element	Sb
Soluble Limit (mg/kg)	60
Specimen Description	Adjusted Soluble Result (mg/kg)
Black glue	160*

2) Antimony Content

With reference to EPA Method 3052: 1996 / other acid digestion. Analysis was performed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES)

Element	Black glue	MDL
Antimony (Sb)	2.51X10 ³	5

Environmental Declaration of Conformity (EDoC)

Suppliers are required to fill the Environmental Compliance Declaration

		Western Digital	
		EDoC Environmental Declaration of Conformity	
1	Scope This declaration form applies to all Materials, Parts, Products & Packaging supplied to WDC - WD/HGST hardware applications and is used to verify compliance to environmental requirements in WDC 2096-001669 Rev AZ		
Environmental Compliance Declaration : By submitting this document, Supplier represents and warrants to Western Digital that all information in this document, including the "Full Material Disclosure" in the MDDS, is accurate and without omission.			
2	Environmental Compliance	YES/ NO	
1	RoHS Compliance as per EU Directive 2011/65/EU or the latest Comment:	<input type="text"/>	
2	Does part contain any substance listed in the current REACH SVHC Candidate List? Comment:	<input type="text"/>	
3	Compliance to Halogen-free - BFR/CFR/PVC; Br < 900 ppm, Cl < 900 ppm, Cl in the form of PVC < 900 ppm, Br + Cl < 1500 ppm Comment:	<input type="text"/>	
		YES/ NO	
		<input type="text"/>	
		YES/ NO	

Questions changed/added to EDoC with New Revision

Added following questions to adhere the requirement of revealing presence of controlled/reportable substance present in final product -

- Does Part contain any PFAS (per- and polyfluoroalkyl substances)?
- Does Part contain any Persistent, Bioaccumulative, and Toxic (PBT) Chemicals under TSCA Section 6(h)?

Using the Macro

Once all the Mandatory Data, and Material Declaration is Entered, Click on “Check Input” Button

Material Data Declaration Sheet		Check Input		+ 10 Rows		RESET		Export		Western Digital.	
Date	04/11/19										
Product Line	Category 1										
WD Part Number	12345										
Supplier Part Number	4321										
Product Description	Enter Description Here										
Product Revision	Enter Revision Here										
Product Total Weight (g)											
Contact Information	Company	Enter Supplier Company Name Here									
	WD Supplier Code	Enter Supplier Code Here									
	Contact Name	Name									
	Address	Enter Address Here									
	Email	Name@Company.com									
Phone Number	123-456-7890										
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location			
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005						
		Phthalocyanine Blue, Org	N/A	N/A	0.0014						
		Aromatic Carbonyl Comp	N/A	N/A	0.00025						
		Amine Compound	N/A	N/A	0.000054						
		Levelling Agents & Other	N/A	N/A	0.00025						
		Dipropylene Glycol Mon	N/A	34590-94-8	0.00007						
		Acrylic Monomer	N/A	N/A	0.0004						
Core Material	0.05	Epoxy Resin	N/A	85954-11-6	0.001						
		Organic Filler	N/A	N/A	0.00007						
		Bismaleimide	N/A	105391-33-1	0.005						
		Triazine	N/A	25722-66-1	0.015						
		Epoxy Resin	N/A	9003-36-5	0.015						
		Inorganic filler	N/A	24623-77-6	0.015						

Using the Macro

The Total Weight and PPM are Auto Calculated, and the Tab color turns Green suggesting there are no Errors

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital.		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.13							
Contact Information	Company	Enter Supplier Company Name Here						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
Phone Number	123-456-7890							
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalocyanine Blue, Org	N/A	N/A	0.0014	395033.86		
		Aromatic Carbonyl Comp	N/A	N/A	0.00025	70541.76072		
		Amine Compound	N/A	N/A	0.000054	15237.02032		
		Levelling Agents & Other	N/A	N/A	0.00025	70541.76072		
		Dipropylene Glycol Mon	N/A	34590-94-8	0.00007	19751.693		
		Acrylic Monomer	N/A	N/A	0.0004	112866.8172		
Core Material	0.05	Epoxy Resin	N/A	85954-11-6	0.001	282167.0429		
		Organic Filler	N/A	N/A	0.00007	19751.693		
		Bismaleimide	N/A	105391-33-1	0.005	100000		
		Triazine	N/A	25722-66-1	0.015	300000		
		Epoxy Resin	N/A	9003-36-5	0.015	300000		
		Inorganic filler	N/A	24623-77-6	0.015	300000		

Using the Macro

Any Errors will be Highlighted in Red, and the Tab color changes to Red, suggesting errors must be corrected before proceeding

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital.		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.14							
Contact Information	Company	Enter Supplier Company Name Here						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
	Phone Number	123-456-7890						
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalocyanine Blue, Org	N/A	N/A	0.0014	395033.86		
		Aromatic Carbonyl Comp	N/A	N/A	0.00025	70541.76072		
		Amine Compound	N/A	N/A	0.000054	15237.02032		
		Levelling Agents & Other	N/A	N/A	0.00025	70541.76072		
		Dipropylene Glycol Mon	N/A	34590-94-7	0.00007	19751.693		
		Acrylic Monomer	N/A	N/A	0.0004	112866.8172		
		Epoxy Resin	N/A	85954-11-6	0.001	282167.0429		
		Organic Filler	N/A	N/A	0.00007	19751.693		
Core Material	0.06	Bismaleimide	N/A	105391-33-1	0.005	83333.33333		
		Triazine	N/A	25722-66-1	0.015	300000		
		Epoxy Resin	N/A	9003-36-5	0.015	300000		
		Inorganic filler	N/A	24623-77-6	0.015	300000		

Weight Mismatch and Wrong CAS Number in this Case

Using the Macro

In the Lab Test Data sheet, fields highlighted below will be Auto Populated

Western Digital Check Input +1 Result Table

WD Part Number	12345	Reminder to suppliers: 1) Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9) 2) Provide the lab test report reference number at Column E respectively
Supplier Part Number	4321	
Supplier Name	Company Name Here	
Attach Lab test report (in zip file)		

Components	Subpart	Homogenous materials	Lab test reports	Test Results										
4321	N/A	Solder Mask		Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result										
				Test Date MM/DD/YYYY										
				RoHS exemption										
	N/A	Core Material			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result									
					Test Date MM/DD/YYYY									
					RoHS exemption									
	N/A	Copper Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result									
					Test Date MM/DD/YYYY									
					RoHS exemption									
N/A	Nickel Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result										
				Test Date MM/DD/YYYY										
				RoHS exemption										
N/A	Soft Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result										
				Test Date MM/DD/YYYY										
				RoHS exemption										
N/A	Hard Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result										
				Test Date MM/DD/YYYY										
				RoHS exemption										
				Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	

MDDS Form **Lab Test Data** EDoC EXAMPLE - MDDS (1) | EXAMPLE - MDDS (2) | Definitions ...

Using the Macro

Fill only the Test Results Data, and click “Check Input”

Western Digital.

Check Input

+1 Result Table

WD Part Number	12345
Supplier Part Numb	4321
Supplier Name	Company Name Here

Attach Lab test report (in zip file)	
--------------------------------------	--

Reminder to suppliers:

- Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9)
- Provide the lab test report reference number at Column E respectively

Components	Subpart	Homogenous materials	Lab test reports	Test Results										
4321	N/A	Solder Mask		Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result	ND	ND	ND	ND	ND	ND	ND	ND		
				Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019		
				RoHS exemption										
	N/A	Core Material			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	ND	ND	ND	ND	ND	ND	ND	ND	
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
					RoHS exemption									
	N/A	Copper Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	1000	ND	ND	ND	ND	ND	ND	ND	
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
					RoHS exemption									
	N/A	Nickel Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	ND	ND	ND	ND	ND	ND	ND	ND	
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
					RoHS exemption									
	N/A	Soft Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	ND	ND	ND	ND	ND	ND	ND	ND	
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
					RoHS exemption									
	N/A	Hard Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	ND	ND	ND	ND	ND	ND	ND	ND	
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
					RoHS exemption									

Using the Macro

The Tab color changes to Green suggesting the Entered Data is Error Free

Western Digital. Check Input +1 Result Table

WD Part Number	12345	Reminder to suppliers: 1) Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9) 2) Provide the lab test report reference number at Column E respectively
Supplier Part Number	4321	
Supplier Name	Company Name Here	
Attach Lab test report (in zip file)		

Components	Subpart	Homogenous materials	Lab test reports	Test Results								
				Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine
4321	N/A	Solder Mask	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
			Result	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019
			RoHS exemption									
	N/A	Core Material	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
			Result	ND	ND	ND	ND	ND	ND	ND	ND	ND
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019
			RoHS exemption									
	N/A	Copper Plating	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
			Result	1000	ND	ND	ND	ND	ND	ND	ND	ND
			Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019
			RoHS exemption									
N/A	Nickel Plating	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
		Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
		RoHS exemption										
N/A	Soft Gold	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
		Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
		RoHS exemption										
N/A	Hard Gold	Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
		Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
		Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
		RoHS exemption										

MDDS Form
Lab Test Data
EDoC
EXAMPLE - MDDS (1)
EXAMPLE - MDDS (2)
Definitions ...

Using the Macro

Errors or Missing Data if any, are highlighted in Red, and the Tab color changes to Red, suggesting errors must be corrected before proceeding

Western Digital Check Input +1 Result Table

WD Part Number	12345	Reminder to suppliers: 1) Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9) 2) Provide the lab test report reference number at Column E respectively
Supplier Part Number	4321	
Supplier Name	Company Name Here	
Attach Lab test report (in zip file) to C9		

Components	Subpart	Homogenous materials	Lab test reports	Test Results										
				Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
4321	N/A	Solder Mask		Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
				Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
	RoHS exemption													
	N/A	Core Material			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	ND	ND	ND	ND	ND	ND	ND	ND	ND
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019
	RoHS exemption													
	N/A	Copper Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine
					Result	1500	ND	ND	ND	ND	ND	ND	ND	ND
					Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019
	RoHS exemption													
N/A	Nickel Plating			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
				Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
RoHS exemption														
N/A	Soft Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
				Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
RoHS exemption														
N/A	Hard Gold			Element	Lead	Mercury	Cadmium	Chromium(VI)	PBBs	PBDEs	Antimony	halogen - bromine	halogen - chlorine	
				Result	ND	ND	ND	ND	ND	ND	ND	ND	ND	
				Test Date MM/DD/YYYY	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	4/11/2019	
RoHS exemption														

MDDS Form
Lab Test Data
EDoC
EXAMPLE - MDDS (1)
EXAMPLE - MDDS (2)
Definitions ...

Using the Macro

In the Lab Test Data sheet, use the “+1 Result Table” button to add an extra Result Table if required

Western Digital.

WD Part Number	
Supplier Part Number	
Supplier Name	

Attach Lab test report (in zip file) in Cell C9	
------------------------------------------------------------	--

Reminder to suppliers:

- 1) Suppliers are required to zip all the relevant test reports and attached in this MDDS (Cell C9)
- 2) Provide the lab test report reference number at Column E respectively

Components	Subpart	Homogenous materials	Lab test reports	Test Results		
				Element	Lead	Mercury
				Result		
				Test Date MM/DD/YYYY		
				RoHS exemption		

Using the Macro

In the EDoC Sheet, there are 18 questions that need to be answered, after which the Tab color changes to Green

		Western Digital.
EDoC		
Environmental Declaration of Conformity		
1	Scope This declaration form applies to all Materials, Parts, Products & Packaging supplied to WDC - WD/HGST hardware applications and is used to verify compliance to environmental requirements in WDC 2096-001669 Rev AZ	
Environmental Compliance Declaration : By submitting this document, Supplier represents and warrants to Western Digital that all information in this document, including the "Full Material Disclosure" in the MDDS, is accurate and without omission.		
2	Environmental Compliance	YES/ NO
1	RoHS Compliance as per EU Directive 2011/65/EU or the latest Comment:	YES/ NO
2	Does part contain any substance listed in the current REACH SVHC Candidate List? Comment:	YES/ NO
3	Compliance to Halogen-free - BFR/CFR/PVC; Br < 900 ppm, Cl < 900 ppm, Cl in the form of PVC < 900 ppm, Br + Cl < 1500 ppm Comment:	YES/ NO
		YES/ NO

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Using the Macro

Once all the Data is Filled, and the First three Tabs turn Green, click “Export” in the MDDS Form Sheet

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital.		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.13							
Contact Information	Company	Enter Supplier Company Name Here						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
	Phone Number	123-456-7890						
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalocyanine Blue, Orga	N/A	N/A	0.0014	395033.86		
MDDS Form Lab Test Data EDoC		EXAMPLE - MDDS (1) EXAMPLE - MDDS (2) Definitions ...						

Using the Macro

Select a Folder to Export the File

The screenshot shows a Windows File Explorer window titled "Select a Folder" with the address bar set to "This PC > Documents". The left sidebar shows a tree view with "Box Sync" expanded, containing folders like "Automation", "Compliance Map", "GEMS", "PPTs", "Projects", "Regulations", "Reports", and "Training". Below "Box Sync" are "This PC" and "Network". The main pane shows a list of folders: "Custom Office Templates" (modified 3/12/2019 11:05 AM) and "MyJabberFiles" (modified 4/11/2019 3:27 PM). The "Folder name" field at the bottom contains the text "Documents". The "OK" button is highlighted. In the background, an Excel spreadsheet is visible with a green header bar and two buttons labeled "RESET" and "Export".

12	Contact Information	Address	Enter Address Here				
13		Email	Name@Company.com				
14		Phone Number	123-456-7890				
15	Homogeneous Subcomponent	Homogeneous Subcomponent Weight	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level

Using the Macro

Enter the Filename, Select the Extension (XLS or XLSX), and click “Ok”

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital®		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.13							
Contact Information	Company	Enter Supplier Company Name Here						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
	Phone Number	123-456-7890						
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalcyanine Blue, Orga	N/A	N/A	0.0014	395033.86		

Export File

Selected Folder
Users\1000260352\Desktop

Enter File Name
FileName

xlsx
 xls

OK Cancel

Using the Macro

Use “+10 Rows” Button to add rows while entering Material Declaration Data

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital®		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.13							
Contact Information	Company	Enter Supplier Company Name Here						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
	Phone Number	123-456-7890						
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalocyanine Blue, Orga	N/A	N/A	0.0014	395033.86		
MDDS Form		Lab Test Data	EDoC	EXAMPLE - MDDS (1)	EXAMPLE - MDDS (2)	Definitions	... + : ◀ ▶	

Using the Macro

Use “Reset” Button to clear all data entered in the first three sheets

Material Data Declaration Sheet		Check Input	+ 10 Rows	RESET	Export	Western Digital®		
Date	04/11/19							
Product Line	Category 1							
WD Part Number	12345							
Supplier Part Number	4321							
Product Description	Enter Description Here							
Product Revision	Enter Revision Here							
Product Total Weight (g)	0.13							
Contact Information	Company	Enter Supplier Company Name						
	WD Supplier Code	Enter Supplier Code Here						
	Contact Name	Name						
	Address	Enter Address Here						
	Email	Name@Company.com						
Phone Number	123-456-7890							
Homogeneous Subcomponent	Homogeneous Subcomponent Weight (g)	Substances	Substances - Other Names	CAS Number	Substance Weight (g)	Homogeneous PPM Level	EU RoHS Exemption	Purpose and Location
Solder Mask	0.003544	Acrylic Resin	PMMA	N/A	0.00005	14108.35214		
		Phthalocyanine Blue, Orga	N/A	N/A	0.0014	395033.86		
MDDS Form		Lab Test Data	EDoC	EXAMPLE - MDDS (1)	EXAMPLE - MDDS (2)	Definitions	...	

Warning

This will clear all the entered data in all the sheets, Do you want to Continue?

Yes No

The image features the Western Digital logo in a bold, white, sans-serif font, centered horizontally. The background is a dark, abstract composition of numerous thin, overlapping lines in shades of orange, red, and purple, creating a sense of motion and depth. The lines are most concentrated on the right side of the image, where they appear to radiate outwards.

Western Digital®