

### Why is Motorola Mobility Moving to WPA?

#### Motorola Mobility is making this change to:

- Upgrade our aging compliance solution to most current version
- Facilitate faster incorporation of new compliance regulations
- Move to standard collection format for material declarations IPC 1752A
- Enable suppliers to apply material declaration exemptions

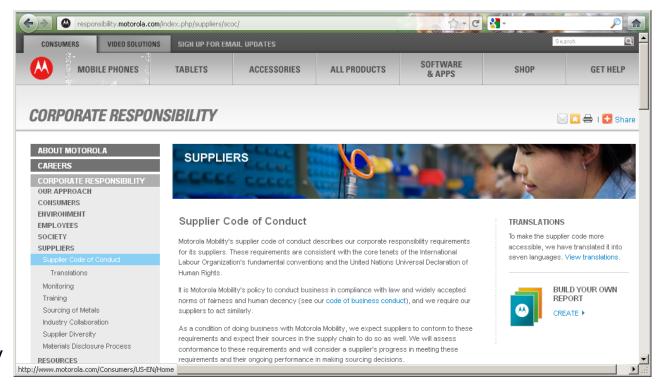
#### What does this mean for you?

- Continue to provide material content data in the same format (CXS) until informed to change.
- Review all training materials, new tools, and communications through this transition.
- Be prepared for an official announcement of this implementation in November 2011
- Until you are notified that the new process has been implemented, continue submitting Material Declaration files in CXS format



#### Global Corporate Citizenship Program (EHS)

- Expectation for supplier of goods and services
- "As a condition of doing business with Motorola Mobility, Suppliers will conform to these
  expectations and endeavor to have their sources in the supply chain do so as well"
- Outline of program
  - Compliance
  - Anti-Corruption
  - Unfair Business Practices
  - Anti-Discrimination
  - Forced Labor
  - Child Labor
  - Freedom of Association
  - Working Hours and Wages
  - Safe and Healthy Working Conditions
  - Environmental Sustainability

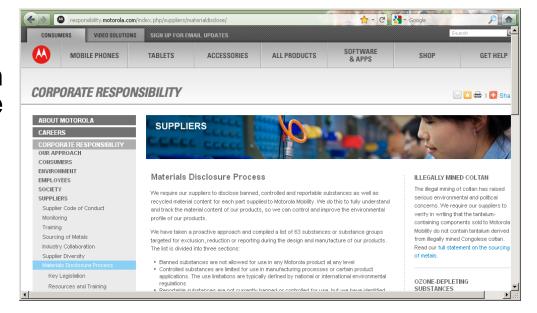


http://www.motorola.com/suppliers/materialsdisclosure



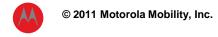
## **Environmental Sustainability**

- Environmental Management System in accordance with ISO 14001
- Material Disclosure
  - Suppliers must provide Material Disclosure outlined in the Controlled and Reportable Materials Disclosure Process
- Ozone Depleting Substances
  - Eliminate products or components that contain, or that are manufactured with a process that uses any Class 1 ozone-depleting substance

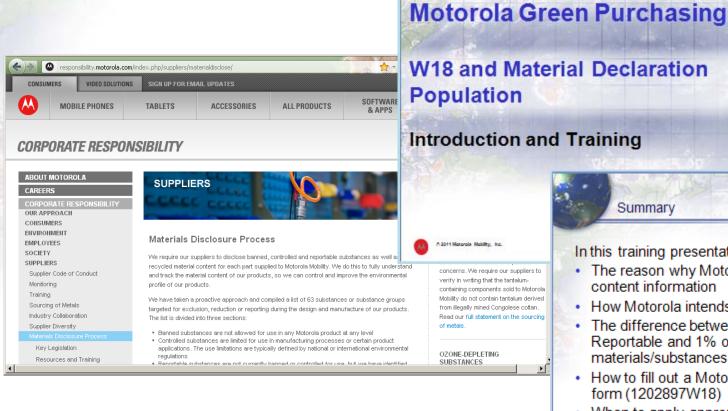


#### **Materials Disclosure Overview**

- Motorola Mobility Requirements
  - Fully disclose material and substances of concern of each part
  - Reporting in accordance with specification 1202897W18 Controlled and Reportable Material Disclosure ("the W18")
  - Compliance is required and where a non-compliance issue is identified, a resolution plan is essential
  - A complete W18 Disclosure is required to qualify parts supplied to Motorola Mobility
- 1202897W18 Motorola Controlled and Reportable Materials Disclosure Specification
  - The 1202897W18 Specification sets forth materials and substances that must be reported to Motorola Mobility on a general basis
- W18 Electronic Reporting Tools
  - The primary tool for reporting W18 disclosures is the Motorola Mobility IPC Creator.
     For Class A non-Homogeneous reporting, we recommend the Motorola modified
     Scriba tool



## **Supplier Training Programs**



http://responsibility.motorola.com/index.php/sup pliers/materialdisclose/resourcestraining/

Summary

In this training presentation you learned:

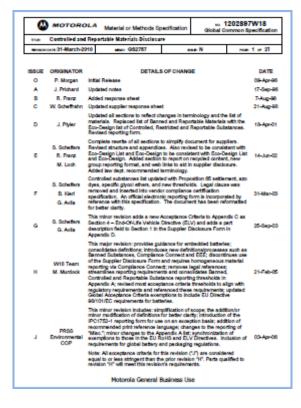
- The reason why Motorola is requesting material content information
- How Motorola intends to use the information.
- The difference between Banned, Controlled. Reportable and 1% or greater materials/substances
- · How to fill out a Motorola material disclosure form (1202897W18)
- · When to apply appropriate Motorola Exemptions



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### **Supplier W18 Training**

Material Declaration (W18)
Understanding Motorola Mobility's
Material Declaration Specification and
Using it Effectively



- Key Message
- Homogeneous Material
- Example

## Key Message of W18 to our Suppliers

- Motorola Mobility requires Suppliers to report full material data at the homogenous material level and eliminate banned substances from all products, components and materials sold to Motorola
- Additionally, Controlled Substances need to be evaluated for compliance with the W18 specification. Note exemptions may apply
- Reportable Substances are not currently banned or controlled for use but a ban or voluntary phase-out is likely or they have an impact on the endof-life management of the finished product. These must be declared
- Please refer to the most recent revision of the <u>W18 Specification</u> for the current list of all Banned, Controlled and Reportable Substances

#### W18 Scope

# The W18 Controlled & Reportable Material Disclosure Specification:

- The W18 Controlled & Reportable Material Disclosure Specification:
  - Defines materials and substances that must be reported to Motorola Mobility
  - Defines the process for reporting and returning the information to Motorola
  - Contains the list of substances that Motorola has targeted for exclusion, reduction or reporting (Appendix A)
  - Sets Part Acceptance Criteria based on global legislation (Appendix C)



### Supplier's Responsibilities

- Comply with the reporting requirements of the W18 for all parts and assemblies sold to Motorola
- Report Controlled and Reportable substances using the Motorola Mobility
   IPC Creator or a comparable tool
- Cascade the requirements in this specification to its sub-tier suppliers
  - Sub-tier supplier data input is a must for complete material and substance data determination
- Report any change to the material content by resubmitting an updated report
- Completion of the report and submission to Motorola Mobility constitutes a testament that all the information is true and correct to the best of the supplier's knowledge

#### **Extent of Disclosure**

- For every service and production part shipped to Motorola, the following information must be reported:
  - Supplier Information
  - Complete Product Structure (all levels) or rolled up
  - 100% material composition disclosure
- Disclosure of controlled or reportable substances per Motorola's 1202897W18 Specification
- Non-listed substances can be reported as "MISC., NOT TO DECLARE"
  - Suppliers are required to provide supporting information if the %MISC exceeds 10% in a single material
- Disclosure of "Trade Secret" chemical substances is NOT required, unless these substances are listed as Banned, Controlled or Reportable, per Motorola Mobility's 1202897W18 Specification

#### **Part Acceptance Criteria**

- Motorola will not accept parts that do not meet the acceptance criteria (Appendix C)
  - Mobile Device parts are required to meet RoHS + Section 5 + Section Surface\*
  - Home parts are required to meet RoHS + Section 2 + Section Surface
  - EcoMoto parts are required to meet RoHS + Section 1 + Section Surface
- This applies to parts that reference this specification and the corresponding acceptance criteria of this specification
- Reporting per this specification is always required, whether or not the acceptance criteria is met



<sup>\*</sup> The Surface Specification will be introduced with the release of Rev B of the W18 In Rev A, both Surface and RoHS are included in Sections 1, 2 and 5

#### **How to get Material Data**

#### Engineering Calculation

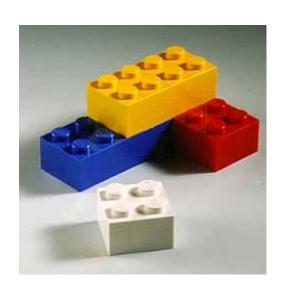
 Calculation based on the data from subsupplier (source the supplier the receives their part or raw material from) or raw material manufacturer

#### Lab Analysis

- Analysis Method:
   When a lab analysis is used to determine the composition of a homogeneous material, it should be performed per international standards, such as those currently under development by the IEC.
- What to analyze:
  - W18 banned and controlled substance list
  - RoHS six substances analysis is not enough

## **Environmental Technical Concepts**

# Materials Background



#### **Definition of Ceramic**

- A non-metallic crystalline material created by the process of heating
- Metallic elements (i.e. Lead) are added to create desired properties





#### **Definition of Glass**

- An amorphous material usually created by the rapid cooling from molten state
- Usually the word 'glass' refers to a specific type: amorphous silica







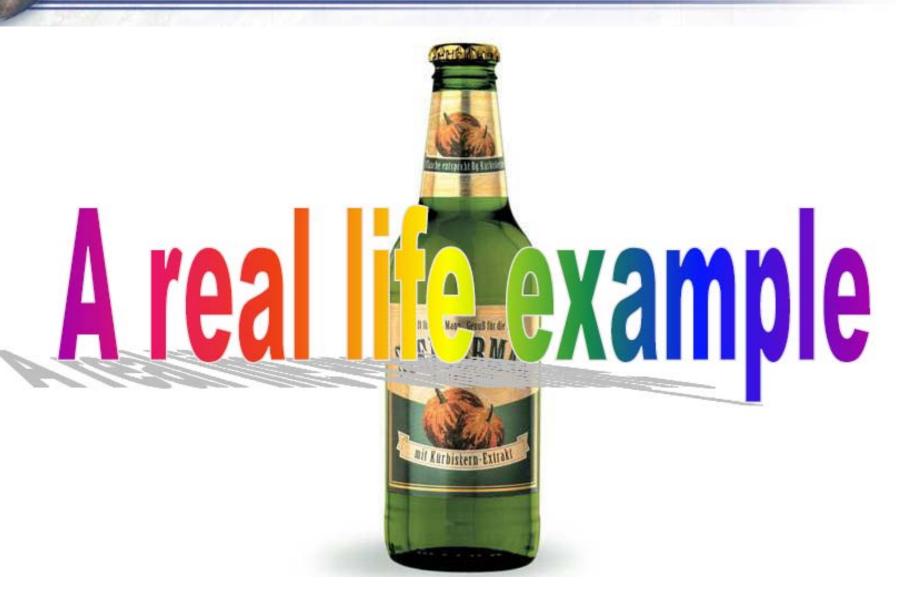
### **Definition of Alloy**

 A homogeneous mixture of two or more elements with metallic properties created to provide specific material properties





## What are Homogeneous Materials?





# What are Homogeneous Materials

#### Definition:

- A material, as defined by the European Union Technical Adaptation Committee, that cannot be mechanically disjointed into different materials; homogenous materials are materials "of uniform composition throughout." Ceramics, glass, metals, alloys, paper, board, resins, coatings are provided as examples. The term "mechanically disjointed" would mean "that the materials can be, in principle, separated by mechanical actions such as for example: unscrewing, cutting, crushing, grinding and abrasive processes."
- Motorola Requirement: the reporting of all inks, adhesives, plantings, and paints as homogeneous materials, regardless of the medium onto which they are printed

- That real life example has below homogeneous materials:
- Bottle cap
- Bottle cap plating
- Bottle Glass
- Label paper
- Glue/adhesive
- Yellow ink
- Green ink
- ....



## **Example: Glass is Homogeneous Material**



- Bottle of glass is supplied to Motorola Mobility
- W18 must be filled out for glass bottle
- Determine what substances go into glass
  - Siliciumdioxide (SiO<sub>2</sub>)73%
  - Calciumoxide (CaO)10%
  - Natriumoxide (Na<sub>2</sub>O)14%
  - Aluminiumoxide (Al<sub>2</sub>O<sub>3</sub>) 2%
  - Leadoxide (PbO)1%
- Use engineering calculation or chemical assay in labs

#### Reporting & Acceptance

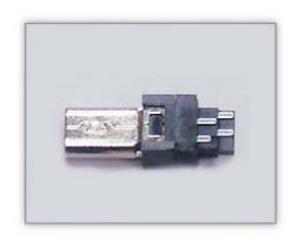
- Report substances above threshold limit (e.g. 0,01% = 100ppm)
- Banned substances
  - No banned substances
- Controlled <u>substances</u>
  - PbO: 1% (=10,000ppm)
- Reportable substances
  - SiO<sub>2</sub>: 73%
  - Na<sub>2</sub>O: 14%
  - CaO: 10%
  - $Al_2O_3$ : 2%

- Part acceptance criteria
  - Appendix C of W18
- Example
  - Lead and compounds
  - Cadmium and compounds
  - Etc
- Limits:
  - Pb: 1000ppm
  - Cd: 100ppm

Bottle does not meet acceptance criteria of Motorola Mobility
Need to get rid of PbO!

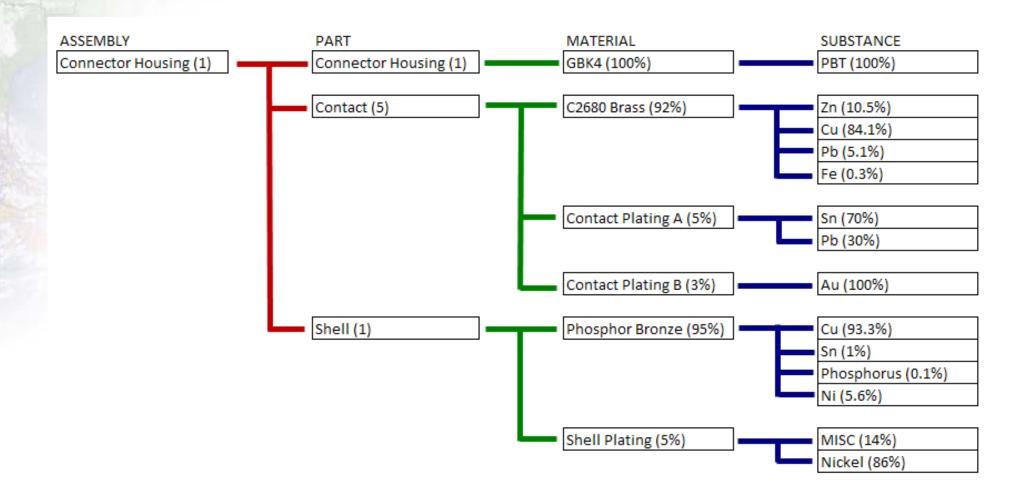
# Motorola Mobility IPC Creator Breakdown of a Connector

- The purpose of this is to show the proper W18 breakdown of a hypothetical connector
- It diagrams the links between the sections of the main areas of the IPC Creator form
- It also shows an example of each section





#### **Connector Breakdown**



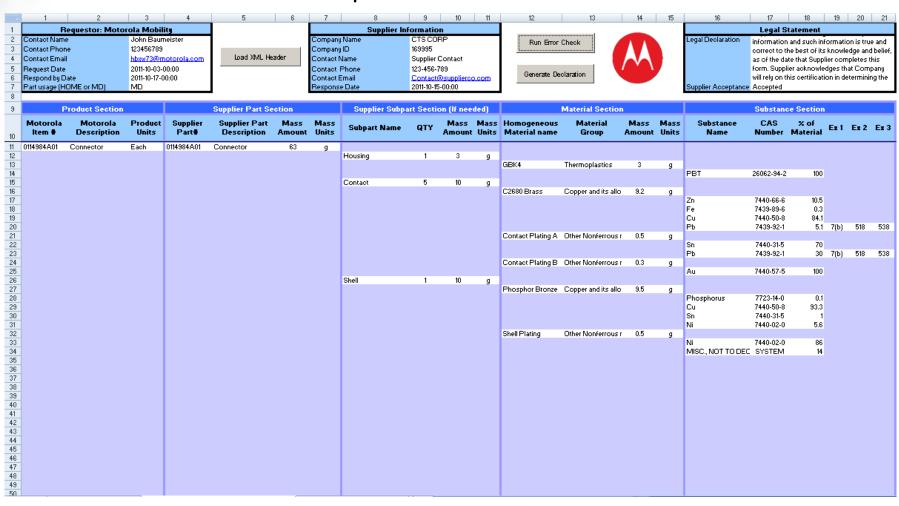


#### **Creating Material Declarations**

- Motorola Mobility recommends the use of the Motorola Mobility IPC Creator tool
  to generate your Material Declarations. Detailed training material is available on
  our Material Disclosure Resources and Training website <a href="http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcest-raining/">http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcest-raining/</a>
- If you are preparing a Class A non-homogeneous declaration, you can utilize the Motorola Mobility Scriba tool, which has been modified to allow full compatibility with Motorola Environmental Data Management System. This can be downloaded from
  - http://responsibility.motorola.com/index.php/suppliers/materialdisclose/
- Any valid IPC 1752A Class D (homogeneous material) declaration generated from another tool is also acceptable
- Motorola Mobility also accepts Material Declarations in the form of IPC 1752-2
   XML, PDF or XDP. Note these forms do not support the new RoHS exemptions, and do not support the use of multiple exemptions

### **Populating the IPC Creator**

Previously Suppliers had to populate multiple pages of a form to provide Material Declaration information. This has been greatly simplified with a one sheet form. All material is entered in one place:





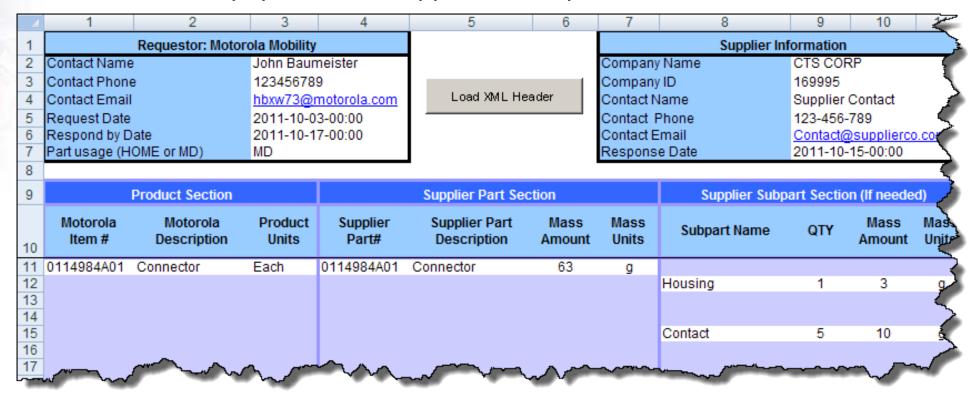
# The Motorola Mobility IPC Creator can be downloaded from <a href="http://responsibility.motorola.com/index.php/suppliers/materialdisclose/">http://responsibility.motorola.com/index.php/suppliers/materialdisclose/</a>

- Detailed instructions are provided in the Motorola Mobility Supplier training material <a href="http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining/">http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining/</a>
- Suppliers will load the XML header they received from Motorola Mobility, which auto-populates the Requestor and Supplier Information
- Suppliers must specify if a Material Declaration is intended for the Home or MD (Mobile Devices) Business, as well as the Response Date
- Suppliers shall type "Accepted" in the Supplier Acceptance field, signifying their legal compliance



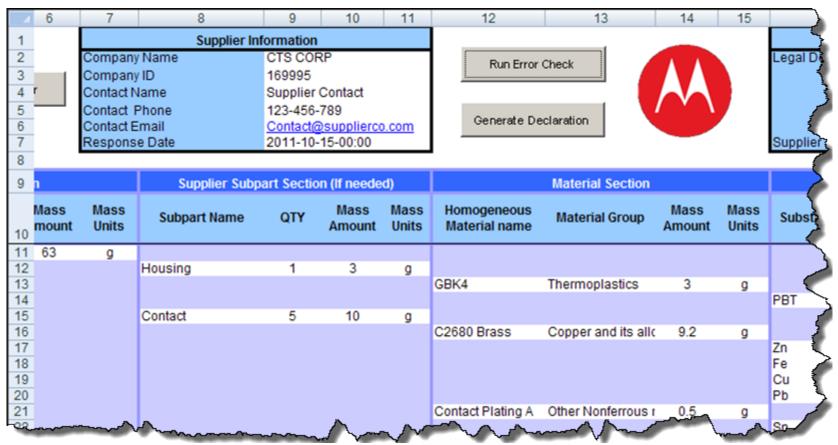
#### **Product and Supplier Part Section:**

- The Motorola Item Number, Description, Product Units and Supplier P/N are auto-populated when loading the request header. These fields must not be changed!
- In the same row, populate the Supplier Description, Mass Amount and Mass Unit





- Supplier Subpart is entered in its section on a new row, populating Name, QTY,
   Mass Amount and Mass Units
- Material Section is entered in its section providing the Homogeneous Material Name, Material Group (from a dropdown list), Mass Amount and Mass Units





#### Important notes regarding Homogeneous Materials

- If the product being declared has identification markings (eg: lnk), the markings must be declared as a separate homogeneous material
- All platings must be declared as separate homogeneous materials
- All labels, ink on labels and label adhesive must be declared as separate homogeneous materials

- Substance Section provides the chemical breakdown, CAS#, and % of Material
- Additionally, Suppliers should provide all the appropriate exemptions where applicable
- Motorola Mobility Exemptions are provided on the third tab of the tool

9	I Section			Substance Section				
10	al Group	Mass Amount	Mass Units	Substance Name	CAS Number	% of Material	Ex 1	Ex 2
11								
12								
13	plastics	3	g					
14				PBT	26062-94-2	100		
15								
16	and its allo	9.2	g					
17				Zn	7440-66-6	10.5		
18				Fe	7439-89-6	0.3		
19				Cu	7440-50-8	84.1		
20				Pb	7439-92-1	5.1	7(b)	518
21	onferrous r	0.5	g					
22				Sn	7440-31-5	70		
22		_		Pb	7439-92-1	30	7(b)	518
-	ottone	Mr.		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	~~~	, min	~~



- Exemptions are provided for all Controlled substances, and are categorized by RoHS Substance, Motorola General and Motorola Surface Substance
- Exemptions should be populated by the Supplier

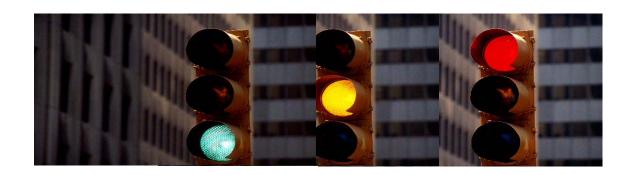
Up to three exemptions can be provided for a Substance

	OP to till oo onoi	11011	<u> </u>	<u> </u>	<u>C provided for a Oubstariee</u>
	1	2	3	4	5
1	Exemption Col			olor Codes:	RoHS Substance Exemptions
2					Motorola General Substance Exemptions
3	For Overlapping categories, supplier mu	ıst apply a	pplicable		Motorola Surface Substance Exemptions
4	exemptions in each exemption class. E.				•
5	5 General + Motorola Surface				
6					
	Controlled Substance Cotagons	DDB4	Exemption	Expiration	Function Description
7	Controlled Substance Category	PPM	Numbe <b>▼</b>	Date 🔻	Exemption Description
8	ANTIMONY/ANTIMONY COMPOUNDS	0	528		Part contains Antimony but will not have prolonged contact with skin (i.e. surface mount parts)
9	ANTIMONY/ANTIMONY COMPOUNDS	0	529		Part contains Antimony but the manufacturer certifies it meets ASTM F963-03
10	ARSENIC AND ARSENIC COMPOUNDS	0	502		Arsenic NOT in wood products as a preservative per 2003/2/EC
11	AZO DYES	30	517		Usage of azodyes is NOT in leather and/or textiles per EU Directive 2002/61/EC
12	BARIUM AND BARIUM COMPOUNDS	0	524		Part contains Barium but will not have prolonged contact with skin (i.e. surface mount parts)
13	BARIUM AND BARIUM COMPOUNDS	0	525		Part contains Barium but the manufacturer certifies it meets ASTM F963-03
14	CADMIUM AND CADMIUM COMPOUNDS	20	500		Cadmium not in batteries or packaging covered by EU RoHS
15	CADMIUM AND CADMIUM COMPOUNDS	100	8(b)		Cadmium and its compounds in electrical contacts
16	CADMIUM AND CADMIUM COMPOUNDS	100	13(b)		Cadmium (and lead) in filter glasses and glasses used for reflectance standards
17	CADMIUM AND CADMIUM COMPOUNDS	100	21		Lead and cadmium in printing inks for the application of enamels on borosilicate glass
	CADMIUM AND CADMIUM COMPOUNDS	100	30		Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the
18	CADIVIIONI AND CADIVIION COMPOUNDS	100	30		used in high-powered loudspeakers with sound pressure levels of 100 dB and more
19	CADMIUM AND CADMIUM COMPOUNDS	100	38		Cadmium and Cadmium oxide in thick film pasts used on aluminum bonded beryllium oxide
	was a factor of the same of th	-voor	~~~	, , , , , , , , , , , , , , , , , , ,	Cay



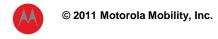
# **Technical Concepts**

# Specific Exemptions



#### **W18 Exemptions**

- 91 different exemptions in the Motorola IPC Creator
  - EU RoHS Exemptions
  - MMI Specific Exemptions
- Based on different reasoning
  - Time until implementation
  - No better alternative is available in the industry
  - Some for specific businesses or use
  - Hazardous substance is not damaging in this certain use
- Must be provided if a W18 compliance threshold is exceeded. This may also require multiple exemptions to be applied to one substance category has overlapping restrictions in different specifications (ex: RoHS and W18)
- Please refer to MMI Exemptions listed in the W18 and the guidance document posted at: <a href="http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining/">http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining/</a>



#### **Exemptions Applied to Lead in Metal Alloys**

- Lead is often used as an alloying element to obtain specific properties of a metal alloy
- This exemption applies to the use of lead in:
  - steel up to 0.35% by weight,
  - aluminum up to 0.4% by weight
  - copper alloys up to 4% by weight
- In the context of this exemption, 'percentage by weight' has to be interpreted as 'the percentage of lead per homogeneous material per discrete part'
- For example, if the steel housing of a computer consists of two separate parts, each part is considered separately, and can contain up to 0.35% lead by weight for their respective homogeneous materials

#### **Exemptions Applied to Lead in Metal Alloys, continued**

- These are examples of appropriate exemptions to apply:
  - Lead in steel up to 0.35% by weight
    - RoHS exemption 6(a) "Lead as an alloying element in steel containing up to 0.35% lead by weight"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Aluminum up to 0.4% by weight
    - RoHS exemption 6(b) "Lead as an alloying element in aluminum containing up to 0.4% lead by weight"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Copper alloys up to 4% by weight
    - RoHS exemption 6(c) "Lead as an alloying element in copper containing up to 4% lead by weight"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"



# **Exemptions Applied to Lead in Electronic Components (Resistors and Capacitors)**

- Ceramic and glass materials are used in a variety of electronic devices including capacitors and resistors.
- Some of these ceramic and glass materials contain lead, for example lead zirconate titinate, lead magnesium niobate and lead oxide.
- The specific chemical composition and manufacturing process of these materials determine their electrical parameters, such as dielectric constant and the dissipation that is essential for the functioning of the component in which they are used.
- Hence, lead used in the ceramic parts of electronic components in electrical and electronic equipment is exempt from these RoHS.
- In the context of this exemption, it is critical to note that lead must be part of a homogeneous ceramic substance within an electronic part and <u>NOT</u> part of the metal matrix which serves as a termination to the part.



# **Exemptions Applied to Lead in Electronic Components (Resistors & Capacitors), con't**

- These are examples of appropriate exemptions to apply:
  - Lead in the glass layer of a resistor
    - RoHS exemption 7(c)-I "Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Lead in the ceramic dielectric of a high voltage capacitor
    - RoHS exemption 7(c)-II "Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"

# **Exemptions Applied to Lead in Electronic Components (Resistors & Capacitors), con't**

- These are examples of appropriate exemptions to apply:
  - Lead in the ceramic dielectric of a low voltage capacitor
    - RoHS exemption 7(c)-III "Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Note: Exemption 7(c)-III expires 1/1/2013
     We do not recommended using low voltage capacitors containing lead in ceramic dielectric for new parts and products

### **Exemptions Applied to Lead in Solder**

- Lead is used in a a variety of solders to produce alloys with specific melting temperatures and strength.
- As there are no alternatives to lead in key applications of low and high melting temperature solders, they are exempted by RoHS in specific solder formulations and applications.
- The presence of Lead must be confirmed to be part of a solder alloy and the weight % of the Lead must be understood to apply an appropriate exemption. (e.g. Pb 88%, Sn 12%; or Pb 86%, Sn 10%, Sb 4%)

#### **Exemptions Applied to Lead in Solder, con't**

- These are examples of appropriate exemptions to apply:
  - Lead in Solder (less than 85%)
    - RoHS exemption 7(b) "Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission as well as network management for telecommunications"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Lead in Solder (greater than 85%)
    - RoHS exemption 7(a) "Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead)"
    - W18 General 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 Surface 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"

#### **Motorola Only Exemptions**

- As previously discussed, some substances are only controlled by Motorola, or Motorola controls them at a lower threshold. For these substances, we have Motorola specific exemptions. Some examples are:
  - Nickel that does not have prolonged contact with skin
    - W18 SURFACE Exemption 501 "Part contains Nickel, but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Azo Dyes not used in leather or textiles (>30 PPM)
    - W18 General Exemption 517 "Usage of azodyes is NOT in leather and/or textiles per EU Directive 2002/61/EC"
  - Lead (>70 PPM, <1000 PPM) where above Motorola threshold, but below RoHS threshold
    - W18 General Exemption 518 "Lead NOT in cable jackets or packaging; covered by RoHS"
    - W18 SURFACE Exemption 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"
  - Lead in a cable jacket (<300 PPM)</li>
    - W18 General Exemption 513 "Lead in cable jackets only, up to 300 PPM per California Prop 65"
    - W18 SURFACE Exemption 538 "Part contains Lead but will not have prolonged contact with skin (i.e. surface mount parts)"



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#### How to Submit a Declaration to Motorola Mobility Inc

- Create one email
- Attach the XML file which was generated by the Motorola Mobility IPC Creator
- Send the email to: <u>WPASubmittal@motorola.com</u>
  - Note: If multiple files are being submitted, a zip file can be sent, but it must include "1752" in the zip file name
- If any error messages are received, view the Motorola Mobility Error Code Resolution Guide:
  - http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining

### **Frequently Asked Questions**

- Can I continue using AIAG(CXS) file?
  - The AIAG (CXS) file should be used until official notification is received from Motorola Mobility Inc
  - Once notification is received please start submitting Material Declarations in XML format, consult EDM with any queries
  - In the transitional period (Nov-Dec), we recommend declaration by XML file, CXS file submission might cause a delay in data validation and product qualification
  - When any mismatch is found for Supplier Name, ID or Part Number, please contact the Motorola Mobility relevant engineer (MD part) or EDM team (Home part)
- What file formats are acceptable by <u>wpasubmittal@motorola.com</u>?
  - XML, ZIP
     Please make sure "1752" is in the zip or file name!
- Send supporting documentation to the EDM, or send email to
  - HomeW18Submittal@motorola.com (HOME)
  - Environmentaldata@motorola.com (MD)

http://responsibility.motorola.com/index.php/suppliers/materialdisclose/resourcestraining



### Where can I Find Help?

For any queries in the use of the Motorola Mobility IPC Creator and W18 declaration requirements, please contact:

- Relevant EDM team, or
- Home business: HomeW18Submittal@motorola.com
- MD business
   Environmentaldata@motorola.com

#### **Frequent Material Declaration Errors**

#### Below are common reasons Motorola Mobility may reject your Material Declaration

- Incomplete Material Declaration
- Misc>10% without supporting documents
- Non-homogeneous Material
- Volatiles >10% in one homogeneous material

#### Summary

## In this training presentation you learned:

- The reason why Motorola is requesting material content information
- How Motorola intends to use the information
- How to fill out a Motorola material disclosure form (Motorola Mobility IPC Creator)
- When to apply appropriate Motorola Mobility and RoHS Exemptions
- How to submit a completed declaration
- Where to find help

