

**MATERIALS SUBJECT TO REGULATIONS
USE RESTRICTIONS
WITHIN THE PSA PEUGEOT CITROËN GROUP**

Page 1/9

No use restriction*This is a translation, the French original shall be used in all cases of litigation**Date of translation : 05/12/2005*

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MATERIALS SUBJECT TO REGULATIONS – USE RESTRICTIONS	B20 0250	2/9
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RECORDS

Suffix	Date	Type of modifications
OR	19/11/2001	Creation of the norme
A	05/11/2002	Modification to the norme further to the amendment in Annex II by commission decision 2002/525/EC.
B	22/07/2004	Modification to the Appendices
C	08/11/2005	Modification to the norme further to the amendment in Annex II by commission decision 2005/673/EC.

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CONTENTS

1. OBJECT AND FIELD OF APPLICATION	3
2. REFERENCE DOCUMENTS	3
2.1. NORMES	3
2.2. REGULATIONS	3
2.3. OTHER DOCUMENTS	3
2.4. EXPRESSION ON DOCUMENTS	3
3. TERMINOLOGY AND DEFINITION	3
3.1. DEFINITIONS	3
3.2. ACRONYMS	3
4 LIST OF MATERIALS	4
4.1. LEAD	4
4.2. HEXAVALENT CHROMIUM	4
4.3. MERCURY	5
4.4. CADMIUM	5
4.5. GLYCOLS	5
4.6. PHTHALATES	5
APPENDIX 1 – CERTIFICATE OF CONFORMITY RELATING TO THE USE OF LEAD, MERCURY, CADMIUM AND HEXAVALENT CHROMIUM	6
APPENDIX 2 – ADMINISTRATION OF DEROGATIONS FROM DIRECTIVE EC/2000/53	7

1. OBJECT AND FIELD OF APPLICATION

The object of this norme is to clarify the rules for the use of certain materials subject to regulations. It concerns cadmium, mercury, lead, hexavalent chromium, glycols and phthalates in current use at PSA PEUGEOT CITROËN.

These materials are prohibited, or limited in their use, for reasons of employee health and safety, or for regulatory reasons.

This document is in addition to all other national and/or European regulations on the use restriction of substances linked to health, safety and protection of the environment which must be observed by PSA PEUGEOT CITROËN and their Suppliers.

With regard to specific use of cadmium, mercury, lead and hexavalent chromium :

- A certificate of conformity with Directive 2000/53/EC, according to Appendix 1 shall be requested for all materials, components and parts supplied to PSA PEUGEOT CITROËN.
- The derogations used shall be declared as per Appendix 2.

Therefore,

- For bought out parts, the certificate of conformity and the derogation sheet shall be supplied via the MACSI computer tool (tool for collecting information on Mass/Material) in conformity with norme A12 5500.
- For materials, the certificate of conformity and the derogation sheet shall be supplied in paper version.

2. REFERENCE DOCUMENTS

2.1. NORMES

A12 5500 END OF LIFE VEHICLES (ELV) MATERIAL WEIGHT AND SUBSTANCE OF PARTS
COMPOSITION DATA

2.2. REGULATIONS

EC 2000/53 DIRECTIVE RELATING TO END OF LIVE VEHICLES (ELV)

2.3. OTHER DOCUMENTS

DA/CGEA/STAM/MK REMINDER OF THE REGULATORY REQUIREMENT FOR HEAVY METALS AND
M No. 05-062 ASSOCIATED PSA PROCEDURES

2.4. EXPRESSION ON DOCUMENTS

Not applicable.

3. TERMINOLOGY AND DEFINITION

A dictionary (glossary) of the main terms and their definitions used within the "Direction des Plates-formes, des Techniques et des Achats" can be consulted in-house via the DPTA glossary.

([Nectar](http://nectar.inetpsa.com) : <http://nectar.inetpsa.com>). This glossary is constantly up-dated.

3.1. DEFINITIONS

Homogeneous material : material of uniform composition which cannot be mechanically separated into different materials.

3.2. ACRONYMS

Not applicable.

4. LIST OF MATERIALS

4.1. LEAD

Lead is prohibited in any chemical form, except for the applications listed below (amendment in Annex II of Directive 2000/53/EC following the commission decision 2005/673/EC).

- As an alloy element in :
 - Steel for machining purposes and galvanised steel containing up to 0,35% lead by weight without limit date,
 - Aluminium for machining purposes containing up to 1,5% lead by weight up to 1st July 2008.
 - Aluminium for machining purposes containing up to 0,4% lead by weight without limit date.
 - Copper alloy containing up to 4% lead by weight without limit date.
 - Bearing-shells and bushes up to 1st July 2008.
- Lead and lead compounds in components :
 - Batteries without limit date.
 - Vibration dampers without limit date.
 - Vulcanising agents and stabilisers for elastomers used in fluid transport and transmission applications containing up to 0,5% lead by weight up to 1st July 2006.
 - Binding agents for elastomers used in transmission applications, containing up to 0,5% lead by weight without limit date.
 - Solder in printed circuit boards and other electrical applications without limit date. The quantity of lead in soldering shall be specified in the format of Appendix 2.
 - Copper in friction materials for brake linings, containing more than 0,4% lead by weight up to 1st July 2007.
 - Valve seats up to 1st July 2007 (concerns engine types developed before 1st July 2003).
 - Electrical components containing lead, inserted into a glass or ceramic matrix without limit date, except for glass in bulbs and glaze of spark plugs. The quantity of lead in welds shall be specified in the format of Appendix 2.
 - Pyrotechnic initiators : concern vehicles type-approved before the 1st July 2006 and spare parts for these vehicles.

A maximum value of 0,1% lead by weight is tolerated in a homogeneous material.

4.2. HEXAVALENT CHROMIUM

Hexavalent chromium is strictly prohibited except for the applications listed below (amendment in Annex II of Directive 2000/53/EC according to the commission decision 2005/673/EC) :

- Anticorrosion coatings up to **1st July 2007**.
- Anticorrosion coatings for all screws-nuts in chassis up to **1st July 2008**.
- Absorption refrigerators in motorcaravans **without limit date**.

It is strictly prohibited for base paints and clear-coats.

For anti-corrosion applications, hexavalent chromium, if present, must be reported and the solution (s) for possible replacement must be presented to PSA PEUGEOT CITROËN. The substitution must be effective from July 2006 (cf note ref. DA/CGEA/STAM/MKM No. 05-062 "Reminder of the regulatory requirement for heavy metals and associated PSA procedures").

A maximum value of 0,1% hexavalent chromium by weight is tolerated in a homogeneous material

4.3. MERCURY

Mercury is prohibited in any chemical form, except for the applications listed below (amendment in Annex II of Directive 2000/53/EC following the commission decision 2005/673/EC) :

- Mercury in discharge lamps and instrument panel displays without limit date.

A maximum value of 0,1% by weight of mercury is tolerated in a material.

4.4. CADMIUM

Cadmium is strictly prohibited in any chemical form, except for the applications listed below (amendment in Annex II of Directive 2000/53/EC following the commission decision 2005/673/EC) :

- Thick film pastes up to 1st July 2006.
- Batteries for electric vehicles : from 31st December 2008, NiCd batteries can only be marketed as spare parts for vehicles commercialised before this date.
- Optical components in glass matrices used in power steering systems up to 1st July 2007.

A maximum value of 0,01% by weight of cadmium is tolerated in a homogeneous material.

4.5. GLYCOLS

The following glycols are prohibited, in all materials and for all uses, in the paint shops of the Group :

- Ethylene glycol methyl ether (EGME)
- Ethylene glycol methyl ether acetate (EGMEA)
- Ethylene glycol ethyl ether (EGEE)
- Ethylene glycol ethyl ether acetate (EGEEA)

The following glycols are limited to 0,5%, in all materials and for all uses, in the paint shops of the Group :

- 1-propylene glycol 2-methyl ether (1PG2ME, or 2 methoxy 1 propanol)
- 1-propylene glycol 2-methyl ether acetate (1PG2MEA)
- Ethylene glycol di-methyl ether (EGDME)
- Di-ethylene glycol methyl ether (DEGME)
- Di-ethylene glycol di-methyl ether (DEGDME)
- Tri-ethylene glycol di-methyl ether (TEGDME)

4.6. PHTHALATES

The following phthalate is prohibited at a rate above 0,5% in the paint shops of the Group :

- Bi (2-ethylhexyl) phthalate (commonly known as DOP).

Appendix 1

**Certificate of conformity relating to the use of lead,
mercury, cadmium and hexavalent chromium**

Company name	PSA Reference of the product or part :
Address :	Designation of the product (part or material) :
PSA supplier's code :	
Signatory Name and function :	

Article 4.2.a of the European Directive 2000/53/EC of 18th September 2000 relating to end of life vehicles stipulates that "materials and components of vehicles marketed after the 1st July 2003 do not contain lead, mercury, cadmium or hexavalent chromium in any other cases than those listed in annex II in the conditions stipulated therein".

The signatory Supplier declares hereby to take all necessary steps to ensure that the part referenced above in all its various aspects and intended for the PSA PEUGEOT CITROËN Group conforms to article 4.2.a of the aforementioned Directive.

The Supplier guarantees consequently that the part referenced above, supplied to the PSA PEUGEOT CITROËN Group does not contain lead, cadmium, mercury or hexavalent chromium in any other cases than those listed in annex II of the aforementioned directive in the conditions stipulated therein.

LocationDate.....

[Function] + Supplier's seal

Appendix 2

Administration of derogations in Directive 2000/53/EC

Company name	PSA Reference of the product or part :
Address :	Designation of the product (part or material) :
PSA supplier's code :	
Signatory Name and function :	

For use restrictions on lead, mercury, cadmium and hexavalent chromium, the supplier shall **indicate** for each item supplied, **if applicable, the derogation (s) covering the item and indicate the quantity of substance as shown below for specific cases (derogations 8 and 11).**

For information, certain derogations have a time limit (specified dates). The supplier shall take the necessary steps to ensure that the end of a derogation meets the time limit and be bound again as regards the conformity of his products with the Directive.

Does the relevant part or product contain lead, mercury, cadmium or hexavalent chromium as a derogation ?

Answer YES or NO in the box opposite

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Lead as an alloy element

1	Steel for machining purposes and galvanised steel containing up to 0,35% lead by weight	/
	If this derogation is used, tick the box opposite	
2.a	Aluminium for machining purposes containing up to 1,5% lead by weight	1.7.2008
	If this derogation is used, tick the box opposite	
2.b	Aluminium for machining purposes containing up to 0,4% lead by weight	/
	If this derogation is used, tick the box opposite	
3	Copper alloy containing up to 4% lead by weight	/
	If this derogation is used, tick the box opposite	
4	Bearing-shells and bushes	1.7.2008
	If this derogation is used, tick the box opposite	

MATERIALS SUBJECT TO REGULATIONS – USE RESTRICTIONS	B20 0250	8/9
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Lead and lead compounds in components

5	Batteries	/
	If this derogation is used, tick the box opposite	
6	Vibration dampers	/
	If this derogation is used, tick the box opposite	
7.a	Vulcanising agents and stabilisers for elastomers used in fluid transport and transmission applications, containing up to 0,5% lead by weight	1.7.2006
	If this derogation is used, tick the box opposite	
7.b	Binding agents for elastomers used in transmission applications, containing up to 0,5% lead by weight	/
	If this derogation is used, tick the box opposite	
8	Soldering in printed circuit boards and other electrical applications	/
	State the total lead weight in grams contained in welds	g
9	Copper in friction materials for brake linings containing more than 0,4% lead by weight	1.7.2007
	If this derogation is used, tick the box opposite	
10	Valve seats	Engine types developed before 1st July 2003 : 1st July 2007
	If this derogation is used, tick the box opposite	
11	Electrical components containing lead inserted into a glass or ceramic matrix, except for glass in bulbs and glaze of spark plugs	/
	State the total lead weight in grams contained in these components	g
12	Pyrotechnic initiators	Vehicles type-approved before 1st July 2006 and spare parts for these vehicles
	If this derogation is used, tick the box opposite	

MATERIALS SUBJECT TO REGULATIONS – USE RESTRICTIONS	B20 0250	9/9
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Hexavalent chromium

13.a	Anti-corrosion coatings	1.7.2007
	If this derogation is used, tick the box opposite	
13.b	Anti-corrosion coatings for all screws-nuts in chassis	1.7.2008
	If this derogation is used, tick the box opposite	
14	Absorption refrigerators in motorcaravans	/
	If this derogation is used, tick the box opposite	

Mercury

15	Mercury in discharge lamps and instrument panel displays	/
	If this derogation is used, tick the box opposite	

Cadmium

16	Thick film pastes	1.7.2006
	If this derogation is used, tick the box opposite	
17	Batteries for electric vehicles	From 31st December 2008, NiCd batteries can only be marketed as spare parts for vehicles commercialised before this date
	If this derogation is used, tick the box opposite	
18	Optical components in glass matrices used in power steering systems	1.7.2007
	If this derogation is used, tick the box opposite	

Notes :

- A maximum concentration value of 0,1% lead, mercury, hexavalent chromium and 0,01% cadmium by weight is tolerated in a homogenous material*.
- Re-use of parts of the vehicles that were already on the market at the expiry date of an exemption is authorised without limit date as this re-use is not covered by the clauses of article 4, paragraph 2, point a).

* : A homogeneous material is a material of uniform composition which cannot be mechanically separated into different materials.