

SALES BULLETIN

14 June 2019

Compliance of RoHS3 2015/863 Directive

Restriction of Hazardous Substances

The RoHS3 directive is first of all a European Community Directive which comes into force on **22 July 2019**.

It defines the restrictions in the use of certain hazardous substances in electrical and electronic equipment.

Compliance with the RoHS directive is a very ambitious project and a real challenge for the electrical and electronics industry. The original purpose was to completely eliminate the dangerous substances from the products. Later, it was realized that this goal could not be achieved, since it proved impossible to completely do without these substances in some areas. This is why an agreement was found in establishing clearly defined limit values.

The most important and most frequent substances are lead and so-called "flame retardants".

List of substances that can be contained in products up to a precise limit value:

- **Lead**
- **Mercury**
- **Cadmium**
- **Hexavalent chromium**
- **Polybrominated biphenyl ethers (PBB)**
- **Polybrominated diphenyl ethers (PBDE)**
- **Bis (2-ethylhexyl) phthalate (DEHP)**
- **Butyl benzyl phthalate (BBP)**
- **Dibutyl phthalate (DBP)**
- **Diisobutyl phthalate (DIBP)**

The limit values established are the following:

- **A maximum of 0.01% (weight percent) of cadmium**
- **A maximum of 0.1% (weight percent) of lead, mercury, hexavalent chromium, PBB and PBDE, DEHP, BBP, DBP, DIBP.**

What does this mean in practice for manufacturers and suppliers of electrical and electronic equipment?

Very simple: to declare a product "RoHS compliant", these substances can be contained in the product only within the established limits, with the exemptions as per Annex III of the Directive 2011/65.

Previous categories listed by previous RoHS (2002/95) directive:

- 1. Large household appliances.**
- 2. Small household appliances.**
- 3. IT and telecommunications equipment.**
- 4. Consumer equipment.**
- 5. Lighting equipment.**
- 6. Electrical and electronic tools.**
- 7. Toys, leisure and sports equipment.**
- 8. Medical devices.**
- 9. Monitoring and control instruments including industrial monitoring and control instruments.**
- 10. Automatic dispensers.**

Further category introduced by RoH2 (2011/65) directive:

- 11. Other EEE (electrical and electronic equipment) not covered by any of the ten above categories.**



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Mecc Alte indicates that individual products are RoHS compliant through the CE Declaration of Conformity despatched with each machine.

The Declarations of all plants have been amended accordingly:

DICHIARAZIONE DI CONFORMITA'	CONFORMITY DECLARATION	DECLARATION DE CONFORMITE'	KONFORMITÄTS ERKLÄRUNG	DECLARACION DE CONFORMIDAD
CE				
Noi,	We,	Nous,	Wir,	Notros,
dichiariamo sotto la nostra sola responsabilità che la macchina	declare under our sole responsibility that machine	declérons sous notre responsabilité que la machine	erkären unter unsere Verantwortlichkeit, daß die Maschine	declaramos bajo nuestra exclusiva responsabilidad que la máquina
<div style="border: 1px solid black; width: 100%; height: 100%;"></div>				
<p>come descritta nella documentazione allegata e nei nostri archivi, è in conformità con la direttiva 2006/42, alla direttiva 2014/35, alla direttiva 2014/30, alla direttiva 2011/65 alla direttiva 2015/863, alle norme europee EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-3, EN 60034-1.</p> <p>Questa macchina non può essere messa in servizio prima che la macchina in cui sarà assemblata, sia stata dichiarata conforme alle disposizioni della direttiva macchine 2006/42/CEE.</p>	<p>as described in the attached documentation and in our files, is in conformity with the 2006/42 directive, with 2014/35 directive, with 2014/30 directive, with 2011/65 directive, with 2015/863 directive, with EN ISO 12100, EN60204-1, EN 61000-6-2, EN 61000-6-3, EN 60034-1 european norms.</p> <p>This machine must not be put into service until the machine in which it is intended to be incorporated into, has been declared in conformity with provisions of 2006/42/CEE machinery directive.</p>	<p>comme decrite dans la documentation jointe et dans nos archives, est en conformité avec la directive 2006/42, à la directive 2014/35, à la directive 2014/30, à la directive 2011/65, à la directive 2015/863 et aux normes européennes EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-3, EN 60034-1.</p> <p>L'utilisation de l'alternateur n'est pas autorisée avant que l'ensemble alternateur et système d'entraînement, soit déclaré conforme aux dispositions de la directive 2006/42/CEE.</p>	<p>wie in den anliegenden Unterlagen und in unserer Dokumentation beschrieben, mit der Richtlinie 2006/42, mit der Richtlinie 2014/35, mit der Richtlinie 2014/30, mit der Richtlinie 2011/65, mit der Richtlinie 2015/863 und mit den Europäischen Vorschriften EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-3 und EN 60034-1, konform ist.</p> <p>Der Betrieb der o.g. Maschine nach dem Zusammenbau darf nur dann erfolgen, wenn die Vorschriften der Maschinenrichtlinien 2006/42/EWG eingehalten werden.</p>	<p>como descrita en la documentación adjunta y en nuestros archivos es conforme con la directiva 2006/42, con la directiva 2014/35, con la directiva 2014/30, con la directiva 2011/65, con la directiva 2015/863, a los normas europeas EN ISO 12100, EN 60204-1, EN 61000-6-2, EN 61000-6-3 y EN 60034-1.</p> <p>Esta máquina no puede ser puesta en servicio antes que la máquina resultante, con la cual será acoplada, sea declarada conforme con los disposiciones de la directiva máquinas 2006/42/CEE.</p>
<p>Posizione / Position / Position / Stelle / Posición Nome e cognome / First name and surname / Nom et prenom / Vor- und Nachname / Nombre y apellido Firma / Signature / Signature / Unterschrift / Firma</p>				
<p><i>Presidente</i> DIEGO CARRARO</p>				
<p>Questa macchina è stata prodotta a: This machine was produced in: Cette machine a été produite en: Diese Maschine wurde produziert: Esta máquina se produjo en:</p>				
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<p>LA LISTA DEI RISCHI RESIDUI SI TROVA SUL RETRO DI QUESTO FOGLIO.</p> <p>Questa dichiarazione è in conformità ai criteri generali indicati dalla norma europea EN17050.</p>	<p>RESIDUAL RISKS LIST IS ON THE BACK OF THIS SHEET.</p> <p>This declaration is in conformity with the general criteria indicated by EN17050 european standard.</p>	<p>LA LIST DES RISQUES RESIDUELS EST SUR LA PARTIE VERSO DE CE FEUILLET.</p> <p>Cette déclaration est en conformité aux critères généraux indiqués de la norme européenne EN17050.</p>	<p>DIE LISTE DER NACHBLEIBENDEN GEFAHREN BEFINDET SICH AUF DER RÜCKSEITE VON DIESEM BLATT.</p> <p>Diese Erklärung ist konform mit den allgemeinen Kriterien der Europäischen Norm EN17050.</p>	<p>LA LISTA DE LOS RIESGOS RESIDUALES SE ENCUENTRA DEL OTRO LADO DE LA PAGINA.</p> <p>Esta declaración es conforme a los criterios generales indicados por la norma europea EN 17050.</p>

Mod. CE rev. 016 - IT