



## **THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS DIRECTIVE 2002/95/EC)**

The Restriction on Hazardous Substances Directive, RoHS, which accompanies the WEEE (Waste Electrical and Electronic Equipment Directive), is concerned with banning the use of six hazardous substances, which are lead, cadmium, mercury, hexavalent chromium and the flame retardants PBB (polybrominated biphenyls) and PBDE (polybrominated diphenylethers) in the manufacture of electrical products and equipment.

UPM Raflatac manufactures self-adhesive laminates which are processed by label converters into labels for various applications, some of which may be used on electrical equipment.

None of the six aforementioned substances are used in UPM Raflatac's manufacture of self-adhesive labelstock.

Analysis has been carried out with regard to RoHS Directive 2002/95/EC. The results obtained showed that typical values are:

Lead less than 2 ppm  
Cadmium less than 2 ppm  
Mercury less than 2 ppm  
Hexavalent Chromium less than 2 ppm

### **Polybrominated biphenyls (PBS's):**

Monobromobiphenyl less than 5ppm  
Dibromobiphenyl less than 5ppm  
Tribromobiphenyl less than 5ppm  
Tetrabromobiphenyl less than 5ppm  
Hexabromobiphenyl less than 5ppm  
Pentabromobiphenyl less than 5ppm  
Heptabromobiphenyl less than 5ppm  
Octabromobiphenyl less than 5ppm  
Nonabromobiphenyl less than 5ppm  
Decabromobiphenyl less than 5ppm

### **Polybrominated diphenyl ethers (PBDE's):**

Monobromodiphenyl ether less than 5ppm  
Dibromodiphenyl ether less than 5ppm  
Tribromodiphenyl ether less than 5ppm  
Tetrabromodiphenyl ether less than 5ppm  
Pentabromodiphenyl ether less than 5ppm  
Hexabromodiphenyl ether less than 5ppm  
Heptabromodiphenyl ether less than 5ppm  
Octabromodiphenyl ether less than 5ppm  
Nonabromodiphenyl ether less than 5ppm  
Decabromodiphenyl ether less than 5ppm

**UPM RAFLATAC**

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This information is for guidance only, it is based on our most up-to-date knowledge and experience. However, this statement does not constitute any warranty, express or implied.

The information in this statement applies to UPM Raflatac Labelstock products and does not include information about RFID products manufactured using Labelstock