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## Environmental Information

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Vendor: ABB Oy  
Domain: BA ATCE  
Product Class: Motor Protection Relay  
Product Type: Motor Protection Relay

The purpose of this template is to support the compilation of mandatory environmental information requested in the procedure for Industrial <sup>IT</sup> Enabled level 0.

Product name	Motor Protection Relay, REM 610
ABB Identity number	REM610xxxxxxx
Information provided by (Name and e-mail address)	Kari Latva-Rasku, <a href="mailto:kari.latva-rasku@fi.abb.com">kari.latva-rasku@fi.abb.com</a>
Business area	ATCE
Date	04.12.2003

### 1. Related documents

Industrial <sup>IT</sup> Architecture - Introduction and Definitions, 3BSE023904

Industrial <sup>IT</sup> Certification Overview, 3BSE023905

Industrial <sup>IT</sup> Certification Guideline, 3BSE024526

Industrial <sup>IT</sup> Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

*Ref documents:*

<http://inside.abb.com/global/abbzh/abbzh430.nsf!OpenDatabase&db=/global/gad/gad00491.nsf&v=1FA6&e=us&c=39DE2FE9432C0257C1256AED00247898>

## 2. Environmental Information

### 2.1 Content of hazardous materials

Declare the presence of hazardous materials in the product. Printed circuit boards are declared separately under 2.1.1 and should be excluded from the declaration in the table below.

Material	Example application	Yes	No	Quantity/unit Optional <sup>(1)</sup>
Lead	Batteries, cables		No	
Cadmium	Batteries, switches, additive in lead		No	
Mercury	Batteries, switches		No	
Beryllium	Contact springs		No	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber	Yes		
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		No	
SF6, sulphurhexafluoride	Breakers		No	
Polyvinyl chloride, PVC	Cables	Yes		

(1) Strive to declare the quantity. This is optional, however, since it is today sometimes difficult to retrieve such information, especially regarding supplied components.

#### 2.1.1 Printed circuit boards

Specify the amount of printed circuit boards used in the product by declaring the total board surface:

- < 1 dm<sup>2</sup>
- 1-10 dm<sup>2</sup>
- > 10 dm<sup>2</sup>
- No printed circuit boards used in the product

## 2.2 Recycling information

Is recycling information for the product available?

Yes, Ref. Document:.....

No

If No, please specify, in the table below, the component/part/physical position where the material is present:

Material	Component/part/physical position
Lead	Printed circuit boards
Cadmium	
Mercury	
Beryllium	
Brominated flame retardants	Plastic parts
HCFCs	
SF6, sulphurhexafluoride	
Polyvinyl chloride, PVC	Cables

## 2.3 Energy use and/or losses during the operation of the product

Is energy use and/or losses during operation of the product specified in the product documentation?

Yes, Ref. Document: 1MRS752263-MUM, Technical Reference Manual

No

Not relevant