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Environmental Information

The purpose of this document is to provide environmental information requested in the procedure for Industrial ^{IT} Enabled level 0.

Product name	AC500 Basic Training Case: TA512-BAS AC500 Basic Training Case: TA513-ADV <i>Product name may be followed by additional suffixes</i>
ABB Identity number	1SAP182400R0001 1SAP182500R0001
Information provided by (Name and e-mail address)	Roland Schmale Roland.schmale@de.abb.com
Business area	Discrete Automation and Motion – DMLD
Date	March 2013

1 Related documents

Industrial ^{IT} Architecture - Introduction and Definitions, 3BSE023904

Industrial ^{IT} Certification Overview, 3BSE023905

Industrial ^{IT} Certification Guideline, 3BSE024526

Industrial ^{IT} Enabled Level 0 - Information, Introduction and Definitions, 3BSE025934

Ref documents:

[http://inside.abb.com/The Insider/Featured Portals/Industrial IT Deployment/06 Product Certification/Document Library](http://inside.abb.com/The_Insider/Featured_Portals/Industrial_IT_Deployment/06_Product_Certification/Document_Library)

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 <i>Optional</i> ⁽¹⁾
Lead	Batteries, cables		✓	
	Aluminium support for PLC modules and HMI	✓		11.9 ppm
Cadmium	Batteries, switches, additive in lead		✓	
Mercury	Batteries, switches		✓	
Beryllium	Contact springs		✓	
Brominated flame retardants, e.g: PBB, PBDE, TBBPA	Additive in plastics or rubber		✓	
HCFCs, e.g: R 22, R 123, R 141b	Cooling media		✓	
SF6, sulphurhexafluoride	Breakers		✓	
Polyvinyl chloride, PVC	Cables	✓		In Ethernet cables; In power cables; In signal wires; In Profibus DP cable (TA512);

(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 dm²
- ✓ 1-10 dm²
- ☐ > 10 dm²
- ☐ 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	Aluminium support for PLC modules and HMI
Cadmium	
Mercury	
Beryllium	
Brominated flame retardants	
HCFCs	
SF6, sulphurhexafluoride	
Polyvinyl chloride, PVC	Isolation of wires and cables

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

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

☒ Yes Ref. Document: Product data sheet

☐ No

☐ Not relevant