Declaration of environmental substances for Frico

company

Watts Electronics

products

CB20, CB22, CB30, CB32, RTI2, MDC, CIRT, CBT

date

2008-09-15

Produced by E.L. Electrical Material Suppliers Association.
The material is based on NUTEK's project "Advice for Purchasers".

no	*item*	*Yes*	*No*	*No info availible*	*Not applicable*	*See comments*
1	**Plastic parts in the product**					
1,1	Is there PVC in the cables and electrical wires? (1)	X				
1,2	Does any other part of the product contain PVC? (1)		X			
1,3	Do the plastic parts in the product contain flame-retardants with organically bound chlorine or bromine? (2)		X			
1,4	Do the plastic parts in the product contain any of the following additives?					
	Lead (including compounds) (3,4,5)		X			According to roHS
	Phthalates (3,4)		X			
	Chlorinated paraffins (3,4)		X			
	Organic tin compounds (3)		X			
1,5	Are environmentally hazardous metal pigments used in the plastic? (3,4,5)			X		X1
	Is the titanium dioxide used as a pigment in the plastic parts manufactured according to another method than that stated in the EU council’s directive 92/112/EEG? (6)		X			
2	**Electronics and solder**					
2,1	Do the electronics and solder contain any of the following environmentally hazardous substances?					
	Arsenic (including compounds) (3,4)		X			
	Lead (including compounds) (3,4,5)		X			According to RoHS
	Cadmium (including compounds) (3,4,5)		X			According to RoHS
	PCB (Polychlorinated biphenyls) (4)		X			
	PCT (Polychlorinated terphenyls) (4)		X			

	Silver compounds (4)		X			
3	**Metal parts in the product**					
3,1	Do the metal parts in the product contain any of the following environmentally hazardous substances?					
	Arsenic (including compounds) (3,4)		X			
	Lead (including compounds) (3,4,5)		X			
	Cadmium (including compounds) (3,4,5)		X			
4	**Other parts**					
4,1	Does the product contain parts made of glass with lead additives? (2)		X			According to RoHS
4,2	Does the product contain parts made of wood from tropical rain forests? (7)		X			
5	**Paint/Varnish**					
5,1	Are there chemical products in the paint/varnish used which are classified as environmentally hazardous? (8)		X			X2
5,2	Are there any environmentally hazardous metal pigments in the paint/varnish? (3,4,5)		X			X1
6	**Solvents in paint/varnish**					
6,1	Are solvent-based paints/varnishes used on any of the parts of the product?		X			
6,2	Is the level of VOCs (volatile organic compounds) in the paint/varnish used higher than 25% by weight? (8)		X			
6,3	Does the paint/varnish contain aromatic hydrocarbons? (5)		X			X3
6,4	Are water or environmentally acceptable solvents used in the paint/varnish? (9)		X			X4
7	**Other surface treatment of metal**					
7,1	State methods for surface treatment of metal parts (galvanising, chromium plating etc.):		X			
8	**Packaging**					
8,1	Does the packaging consist of any of the following acceptable materials (materials are listed in order where I is the best alternative)?					
	I Unbleached paper/carton from recycled fibre.			X		
	II Polyethylene or Polypropylene plastic from recycled material.			X		
	III One of the materials from groups I or II is manufactured from new raw materials			X		
8.1.1	Packaging consists of the following pure (not composite) materials not included above:					
8.1.2	Packaging consists of the following composite materials:					
8,2	Is all plastic material in the packaging marked according to standard specifications DIN 54 840 and/or ISO†11469 to simplify recycling?			X		

8,3	Is there PVC or other halogen-containing plastic in the packaging? (2)		X			
8,4	Is the company a member of the REPA register?		X			RESY
	B. Manufacturing					
9	**Solvents**					
9,1	Are aromatic hydrocarbons used in solvents in the production of the product or packaging? (5)		X			X3
9,2	Are any of the following chlorofluorocarbons/fluorocarbons used in the production of the product or packaging?		X			
	CFC (10)			X		
	HCFC (10)			X		
9,3	Are chlorinated solvents used in the production of the product or packaging?			X		X5

Comments:

X1

Pigments
The following are classified as environmentally hazardous pigments:
Arsenic (including compounds) (3,4)
Lead (including compounds) (3,4,5)
Cyanides (including compounds) (5)
Cadmium (including compounds) (3,4,5)
Copper (including compounds) (4)
Chromium (including compounds) (4)
Mercury (including compounds) (3,4,5)
Nickel (including compounds) (5)

X2

The following are classified as environmentally hazardous chemical products:
Pure substances marked with any of the following risk categories:
R52, R53, R54, R55, R56, R57, R58, R59.
Preparations containing pure substances marked with any of the following risk categories at levels greater than 2% by weight:
R52, R53, R54, R55, R56, R57, R58, R59.

X3

Aromatic hydrocarbons:
Benzene (5)
Toluene (methylbenzene) (5)
Xylene (dimethylbenzene) (5)

X4

The following solvents are classified as environmentally acceptable (according to ref 9):
Water
Ethanol (not denatured with phthalales)
i-Propanol
Propylene glycol
n-Paraffins
Glycerol (= alcohols with more than four C atoms)
Acetone
Isopropyllaurate
Isopropylpalmitate
Isopropylmyristate
Methylpyrrolidone
Gamma-Butyrolactone
Ethyl acetate

X5

Chlorinated solvents:
Hexachlorobutadiene
Methylene chloride
Tetrachloromethane
1,2,4-Trichlorobenzene
1,1,1-Trichloroethane
Trichlorethylene
Trichloromethane