Environmental facts

Company:Tyco Thermal Controls
Product: ICESTOP GM-2X

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

		Yes	No	No information	Not relevant for this product	See comments
1.	**Plastic parts in products**					
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			
	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
1.6	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?				X	
	Arsenic (including compounds) (3,4)				X	
	Lead (including compounds) (3,4,5)				X	
	Cadmium (including compounds) (3,4,5)				X	
	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			
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.):	Copper wire is plated with tin or nickel				
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)?		X			
	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:	ABS recycled				
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		

B. Manufacturing

		Yes, used in production	No, not used in production	No information	Not relevant	See comments
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 chlorofluoro-carbons/fluorocarbons used in the production of the product or packaging?					
	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

References

1. Greenpeace's list of councils which are positive towards stopping their use of PVC.

   Greenpeace
   Box 15164
   104 65 Stockholm
   Tel: 08-702 70 70

2. "Environmental aspects for procurement of fittings". Environmental Administration, Gothenburg Municipal Council, Memo 15 June 1994.

   Miljöförvaltningen
   Göteborgs Kommun
   Box 360
   401 25 Göteborg
   Tel: 031-61 26 10

3. Chemicals Inspectorate, Limitationlist.

4. Chemicals Inspectorate, so-called list may 1996.

5. US Environmental Protection Agency: Industrial Toxics project (1990). List of high priority environmentally hazardous chemicals for which emission should be reduced by at least 50 per cent by the end of 1996.

6. Council directive 92/112/EEG of 15 December 1992 on *Actions to reduce and ultimately eliminate pollution from waste from the titanium dioxide industry*.

7. Good Wood Guide, Friends of the Earth, UK 1987.

   Jordens Vänner
   Fjällgatan 23 A
   116 28 Stockholm
   Tel: 08-702 20 17

8. "Marque NF-Environment aux peinture, vernis et produits connexes", Third revised version, 10 June 1994, AFNOR, France.

   Association Français de Normalisation
   Tour Europe
   Cedex 7
   92049 Paris La Defense
   France
   Tel: +33 (1) 42 91 55 55
   Fax: +33 (1) 42 91 56 56

9. Assessment and comparisons of solvents in household chemical-technical products - Basis for the Swedish National Association for Environmental Protection's work within the project area *Buy Environmentally Friendly*. Anders Östman and Ulf Karlström, March 1993 (list revised 1993).

   Naturskyddsföreningen
   Box 7005
   402 31 Göteborg
   Tel: 031-711 64 50
   Fax: 031-711 64 30

10. Montreal protocol 1987 (including London addition 1990 and Copenhagen addition 1992) concerning certain countries' actions for stopping the use of ozone-degrading agents and the Statute on CFC and Halones, etc. SFS 1988.716.

Addition to environmental declaration

To dispose of used electrical and electronic equipment in an environmentally correct way, please contact the following companies:

Techno World AB
Box 80
370 10

GRE
Lövstavägen
165 70 Hässelby

Tabulator Teknik AB
Hägerstens allé 86
129 02 Hägersten