# Environmental declaration for light fittings, excluding sources of light Produced by Ljuskultur, 23 December 1996 and 9 March 1999 The material is based on NUTEK's project "Advice for Purchasers".

Compagny: Contact: person: THORN EUROPHANE Mr Alain NOUMA Route de Paix B.P 504 27705 LES ANDELYS CEDEX Phone: E-number: alain.nouma@thorn.fr **MUNDIAL** FITTING:

1.	Plastic parts in products	Yes	No	No information	Not relevant for this product	See comments
1.1	Are all large plastic parts (more than 100g) labelled according to the ISO 11,469 standard specifications	х				
1.2	Do any other parts of the fitting contain PVC? (1)		х			
1.3	Do the plastic parts in the fitting contain flame retardants with organically bound chlorine or bromine ? (2)		х			
1.4	Do the plastic parts in the fitting contain any of the following additives ?					
1.4.1	Lead (including compounds) (3.4.5)		Х			
1.4.2	Phthalates (3.4)		Х			
1.4.3	Chlorinated paraffins ( 3.4 )		X			
1.4.4	Organic tin compounds (3)		X			
1.5	Are environmentally hazardous metal pigments used in the plastic? (3.4.5)			Х		
1.6	Is the titanium dioxide used as pigment in the plastic parts manufactured according to another method that stated in the EU council's directive 92/112/EEG? (6)		х			

## 2 Electronics, Electrical parts and solder

	Is there PVC in the cables and electrical wires? (1)			
	electrical wires: ( i )			
2.2	Do the electronics and solder contain any of			
	the following environmentally hazardous			
	substances ?			
2.2.1	Arsenic (including compounds) (3.4)	Х		
2.2.2	Lead (including compounds) (3.4.5)		Х	
2.2.3	Cadmium (including compound) (3.4.5)	Х		
2.2.4	PCB (Polychlorinated biphenylene) (4)	Х		
2.2.5	PCT (Polychlorinated terphenyle) (4)	Х		
2.2.6	Sylver compounds (4)		Х	
2.3	Does the lamp contain any hazardous substances listed	Х		

# 3 Metal parts in the fitting

3.1	Do the metal parts in the fitting contain any of			
	the following environmentally hazardous			
	substance ?			
3.1.1	Arsenic (including compounds) (3.4)	Х		
3.1.2	Lead (including compounds) (3.4.5)	Х		
3.1.3	Cadmium (including compounds) (3.4.5)	Х		
3.1.4	Chromium (including compounds)	Х		
3.1.5	Mercury (including compounds)	Х		

# 4 Other parts

4.1	Does the fitting contain parts made of glass		Х	
	with lead additives? (2)			
4.2	Does the fitting contain parts made of wood	Х		
	from tropical rain forests? (7)			

5 Paint / varnish  5.1 Are there chemical products in the pant / varnish caselised as environmentally hazardous ? (8)  5.2 Are there any environmentally hazardous ? (8)  5.3 Are grade any environmentally hazardous  metal pigments in the paint / varnish / pass  5.4 Are there any environmentally hazardous  metal pigments in the paint / varnish ? (3.4.5)  5.4 Are there metal surfuces that are degressed with  5.5 Are increased degressing used on metal surface  5.5 Is only water-based degressing used on metal surface  5.5 Is only water-based degressing used on metal surface  5.6 Are increased used in the degressing of metal surface  5.7 Is mostly powder coaling used for the varnishing of metal surface  5.7.1 Is mostly powder coaling used for the varnishing of  5.7.2 Do any of the metal varnishes used contain more than  5.8 X or or of the metal varnishes contains addives of tollowing substances ?  5.7.2 Do any of the metal varnishes contains addives of tollowing substances ?  5.7.3 Do any of the metal varnishes used contain more than  5.8 X or or of the metal varnishes contains addives of tollowing substances ?  5.7.3 Dear of the metal varnishes contains addives of tollowing substances ?  5.7.3 Philospaned organic binder.  5.7.3 Philospaned organic binder.  5.7.3 Philospaned organic binder.  5.7.4 Solvent-based paints / varnishes used  6 Solvents in paint / varnish  6 Is a service of Vox (related organic compounds) in the paint / varnish used  5 Is a service of Vox (related organic  5 Other surface treatment of metal  7 Other surface treatment of metal  8 Packaging  8.1 Does the packaging consist of any of the following acceptable materials/increatina are stated in order where is the best internative)?  8.2 Is all believation materials are stated in order water and set internative)?  8.3 La 3-One of the material trong packaging  8.4 La 3-One of the material trong packaging  8.5 La 3-One of the material trong packaging			Yes	No	No	Not	See
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8.1.b 2-Polyethylene or Polypropylene plastic from recycled material.  8.1.c 3-One of the material from groups 1 or 2 is manufactured from new raw materials.							
recycled material.  8.1.c 3-One of the material from groups 1 or 2 is manufactured from new raw materials.	8.1.a	1-Unbleached paper / carton from recycled fibre			Х		
8.1.c 3-One of the material from groups 1 or 2 is manufactured from new raw materials.	8.1.b	2-Polyethylene or Polypropylene plastic from			Х		
manufactured from new raw materials.		recycled material.					
	8.1.c	3-One of the material from groups 1 or 2 is			Х		
8.2 Is all plastic material in the packaging		manufactured from new raw materials.					
	8.2	Is all plastic material in the packaging					

8.3	Is there PVC or other halogen-containing	1	x	†	1	
0.3	plastic in the packaging?		^			
8.4	Is the plastic material in the packaging made partially of recycled material (the term "recycled" means post consumer and does not include any production waste?			х		
8.5	Does the plastic packaging material contain any halogenated external flame retardant or other halogenated substancees			х		
8.6	Does the package contain shock absorbing plastic material?		Х			
8.7	Are ozone damaging substances used in the manufacture of shock absorbing plastic materials ?			х		
8.8	Is the compagny a member of the REPA register?		Х			
9	RECYCLING					
9.1	Has the product been engineered to dismantling, by making it possible to separate the various materials?	х				
<u>9.2</u>	Does the product comply with the WEE european directive?					

	B.Manufacturing	Yes used in	No not used in	No information	Not relevant	See comments
9	Solvents	production	production			
9.1	Are aromatic hydrocarbons used in solvents					
	in the production of the fitting or packaging?(5)		Х			
9.2	Are any of the following groups ( chlorofluoro-carbons /					
	fluorocarbons) used in the production of the		Х			
	fitting or packaging?					
9.2.1	CFC (10)		Х			
9.2.2	HCFC (10)		Х			
9.3	Are chlorinated solvents used in the production of the fitting or packaging?		х			

#### Comments:

**X1** 

**X2** 

risk categories:

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)

**X4** 

The following solvents are classified as environmentally

acceptable (according to ref 9) :

Water

Ethanol (not denatured with phthalates)

i-Propanol

Propylene glycol

n-Paraffins

Glycerol(n alcohols with more than O 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

R52 .R53 .R54 .R55 .R56 .R57 .R58 .R59 .

The following are classified as environmentally

Pure substances marked with any of the following

hazardous chemical products:

Preparations containing pure substances marked with

#### Х3

Aromatic hydrocarbons:
Benzene(5)
Toluene (methybenzene) (5)
Xylene (dimethybenzene) (6)

### References

1. Greenpeace's list of concils 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 Concil, Memo 15 june 1994

Milljöförvaltningen Göteborgs Kommun Box 360 401 25 Göteborg

Tel: 031-61 26 10

- 3. Chemicals inspectorate. Limitation list
- 4. Chemicals inspectorate, OBS (high priority) list May 1996.
- 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 Vånner Fjållgatan 23 A 116 28 Stockholm Tel: 08-702 20 17

8. "Marque NF-Environnement aux peintures, vernis et produits connexes". Third revised version, 10 june 1994, AFNOR, France. Association Française de Normalisation

Tour Europe

 Assessment and comparaisons 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 Ostman and Ulf Karlström, March 1993 (list revised 1993).

Naturskyddslöreningen Box 7005 402 31 Götenborg 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 envirnmentally correct way, please contact the following companies:

Techno World AB Box 80 370 10

GRE Lövstavågen 165 70 Hässelby

Tabulator Technik AB Hägerstens allé 86 129 02 Hägersten