Declaration on materials and the environment

Introduction of MD document

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1 Objective

Because of the increased demand for more information on Sauter products, a Declaration on Materials and the Environment (MD xx.xxx) will be released in future as a supplement to the Product Data Sheets.

The aim of the MD is to provide our customers with more information on: (a) any environmental risks; (b) the fulfilling of environmental standards and directives; (c) the materials used; and (d) their method of disposal.

An MD will be created for every new product, but not retrospectively for existing products.

2 Structure of the Declaration on Materials and the Environment

The MD comprises three parts:-

Part 1

- General information on products and processes
- Information on usage and any environmental risk in the event of damage (e.g. fire)
- Declaration on the product's packaging

Part 2

- Detailed list of the materials used and any special components, plus special notes on substances included (e.g. silicon). The individual weights stated always refer to the relevant material groups across the whole family of types.
- Information on the existing safety data sheets that can be ordered from SBA, plus EU waste codes.

Part 3

- Information on the environmentally-correct method of disposal for the packaging and the product.
- Information on legal aspects.

3 Directives & useful links

3.1 Definitions and directives

The following definitions and directives are based on the Declaration on Materials and the Environment. The full text of each one can be downloaded from the internet (see links). The links for the relevant language version (Ger., Eng., Fre.) have been stated where known.

Definition

Fire load

The fire load is defined as the heating energy (given in MJ) that is produced when a particular device is burnt. The calculation of the fire load serves to provide objective criteria for assessing a project with regard to the extent of its fire hazard; therefore, it acts as a basis for the fire-protection plan when designing new buildings or when converting a building due to changes in its use.

Relevant directives

1) Directive 94/62/EG and Decision 97/129/EG

The aim of the directive is to ensure that the packaging is clearly marked, and is either re-used or disposed of in an environmentally-acceptable manner.

Directive 94/62/EG on ‘Packaging And Packaging Waste’ (language can be chosen in the document)

German:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=de&numdoc=31994L0062&model=guichett

English:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=en&numdoc=31994L0062&model=guichett

French:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=fr&numdoc=31994L0062&model=guichett

Decision 97/129/EG: System of declaration for packaging materials
German:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexplus!prod!DocNumber&type_doc=Decision&an_doc=1997&nu_doc=0129&lg=DE

English:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexplus!prod!DocNumber&type_doc=Decision&an_doc=1997&nu_doc=0129&lg=EN

French:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexplus!prod!DocNumber&type_doc=Decision&an_doc=1997&nu_doc=0129&lg=FR

2) Directive 75/442/EWG and Decision 2001/118/EG

The aim of both the directive and the decision is to provide a regulation for controlled waste disposal for the protection of human health and the environment.

Directive 75/442/EWG: Waste (other languages can be chosen in the document)
German:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=DE&numdoc=31975L0442&model=guichett

English:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=en&numdoc=31975L0442&model=guichett

French:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=fr&numdoc=31975L0442&model=guichett

Decision 2001/118/EG: Directory of Waste

German:
http://europa.eu.int/eur-lex/pri/de/oj/dat/2001/l_047/l_04720010216de00010031.pdf

English:
http://europa.eu.int/eur-lex/pri/en/oj/dat/2001/l_047/l_04720010216en00010031.pdf

French:
http://europa.eu.int/eur-lex/pri/fr/oj/dat/2001/l_047/l_04720010216fr00010031.pdf

3.2 Useful links on the internet

Directive 76/769/EWG, Dangerous (prohibited) substances.

German:
http://europa.eu.int/eur-lex/de/consleg/pdf/1976/de_1976L0769_do_001.pdf

English:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=en&numdoc=31976L0769&model=guichett

French:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=fr&numdoc=31976L0769&model=guichett

28th Amendment to Directive 67/548/WG: Grading, Packaging, Marking of Dangerous Substances

German:
http://europa.eu.int/eur-lex/pri/de/oj/dat/2001/l_225/l_22520010821de00010333.pdf

English:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=en&numdoc=31967L0548&model=guichett

French:

http://europa.eu.int/smartapi/cgi/sga_doc?smartapi!celexapi!prod!CELEXnumdoc&lg=fr&numdoc=31967L0548&model=guichett

Eur-Lex database (search for documents, Euro directives etc.)

German:
http://europa.eu.int/eur-lex/de/search/search_lif.html

English:
http://europa.eu.int/eur-lex/en/search/search_lif.html

French:
http://europa.eu.int/eur-lex/fr/search/search_lif.html

GESTIS: Database of Substances from the Institute for Protection at the Workplace (BIA)

German:

www.hvbg.de/d/bia/fac/zesp/zesp.htm

Info database: Protection at the Workplace and of the Environment

German:

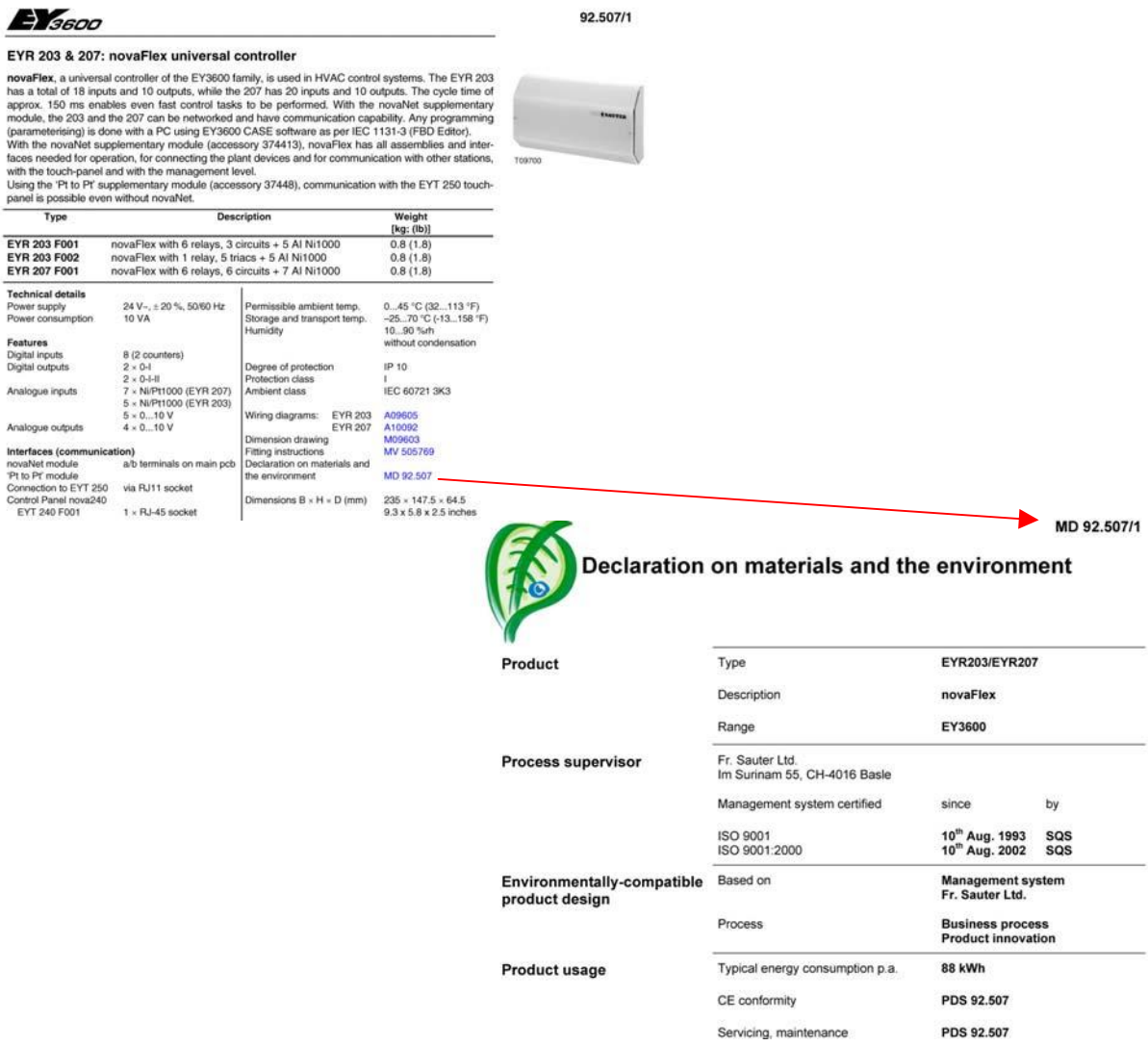
http://www.goinform.de/start.html

N.B.:

- The directive's date of issue is important.
- Not all the amendments have been included in the consolidated version of Directive 76/769/EWG. Therefore, you may have to seek further directives in the Eur-Lex database.

4 Publication

- The systematic introduction applies only to **new** Sauter products.
- No MD will be released retrospectively for existing products.



EY3600

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EYR 203 & 207: novaFlex universal controller

novaFlex, a universal controller of the EY3600 family, is used in HVAC control systems. The EYR 203 has a total of 18 inputs and 10 outputs, while the 207 has 20 inputs and 10 outputs. The cycle time of approx. 150 ms enables even fast control tasks to be performed. With the novaNet supplementary module, the 203 and the 207 can be networked and have communication capability. Any programming (parameterising) is done with a PC using EY3600 CASE software as per IEC 1131-3 (FBD Editor).
With the novaNet supplementary module (accessory 374413), novaFlex has all assemblies and interfaces needed for operation, for connecting the plant devices and for communication with other stations, with the touch-panel and with the management level.
Using the 'Pt to Pt' supplementary module (accessory 37448), communication with the EYT 250 touch-panel is possible even without novaNet.

Type	Description	Weight [kg; (lb)]
EYR 203 F001	novaFlex with 6 relays, 3 circuits + 5 AI Ni1000	0.8 (1.8)
EYR 203 F002	novaFlex with 1 relay, 5 triacs + 5 AI Ni1000	0.8 (1.8)
EYR 207 F001	novaFlex with 6 relays, 6 circuits + 7 AI Ni1000	0.8 (1.8)

Technical details
Power supply: 24 V~, ± 20 %, 50/60 Hz
Power consumption: 10 VA

Features
Digital inputs: 8 (2 counters)
Digital outputs: 2 × 0-I; 2 × 0-I-II
Analogue inputs: 7 × Ni/Pt1000 (EYR 207); 5 × Ni/Pt1000 (EYR 203); 5 × 0...10 V
Analogue outputs: 4 × 0...10 V

Interfaces (communication)
novaNet module: a/b terminals on main pcb
'Pt to Pt' module
Connection to EYT 250: via RJ11 socket
Control Panel nova240 EYT 240 F001: 1 × RJ-45 socket

Permissible ambient temp.: 0...45 °C (32...113 °F)
Storage and transport temp.: –25...70 °C (-13...158 °F)
Humidity: 10...90 %rh without condensation
Degree of protection: IP 10
Protection class: I
Ambient class: IEC 60721 3K3
Wiring diagrams: EYR 203 A09605; EYR 207 A10092
Dimension drawing: M09603
Fitting instructions: MV 505769
Declaration on materials and the environment: MD 92.507
Dimensions B × H × D (mm): 235 × 147.5 × 64.5; 9.3 x 5.8 x 2.5 inches

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Declaration on materials and the environment

Product	Type	**EYR203/EYR207**	
	Description	**novaFlex**	
	Range	**EY3600**	
Process supervisor	Fr. Sauter Ltd. Im Surinam 55, CH-4016 Basle		
	Management system certified	since	by
	ISO 9001 ISO 9001:2000	**10th Aug. 1993** **10th Aug. 2002**	**SQS** **SQS**
Environmentally-compatible product design	Based on	**Management system Fr. Sauter Ltd.**	
	Process	**Business process Product innovation**	
Product usage	Typical energy consumption p.a.	**88 kWh**	
	CE conformity	**PDS 92.507**	
	Servicing, maintenance	**PDS 92.507**	

- Publication is exclusively via the online PDS on the internet in Ger., Eng. & Fre.
- If there is an MD available, it can be called up (and printed out) via a link in the relevant PDS.
- Specific inquiries concerning substances contained in existing products will be dealt with separately and should be addressed to the VS at SBA via the NSOs.

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