

Product label instructions for suppliers

Items with supplier brand

1 H+S label requirements

H+S label requirements follow the ANSI-Specification (ASC_MH10.8.2) for products and shipment labels.

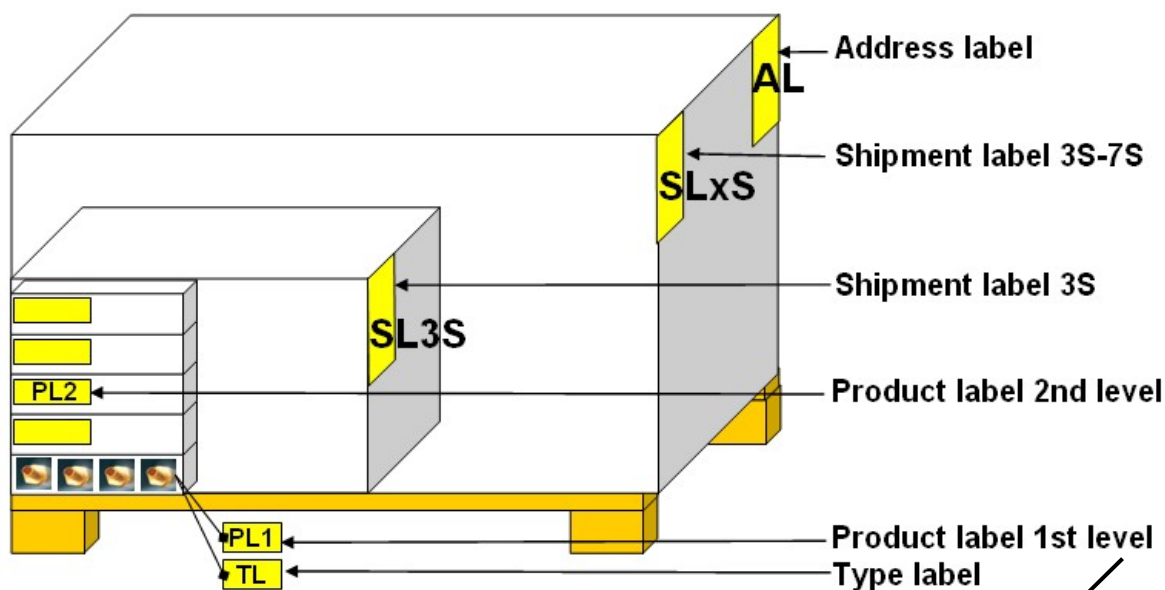
Each product packaging level (bag, box and spool according to packaging instruction) must be marked with the product label.

2 Label hierarchy

2.1 Terminology

Label hierarchy	Label name	Label ID	Application
Type label	Type label	TL	Label on item
Product label	Product label 1 st level	PL1	Label on bag
	Product label 2 nd level	PL2	Label on spool
			Label on box
Shipment label	3S label	SL3S	1 item : 1 order : 1 handling unit
	4S label	SL4S	1 item : 1 order : n handling unit
	5S label	SL5S	n item : 1 order : 1 handling unit
	6S label	SL6S	1 item : n order : 1 handling unit
	7S label	SL7S	n item : n order : 1 handling unit
Address label	Address label	AL	

Scope of this document





3 Label examples

3.1 TL: Type label



3.2 PL: Product label

PL1: Product label 1st level, for primary packaging



Scope of this
document

PL2: Product label 2nd level, for secondary packaging



3.3 SL: Shipment label and AL: Address label



3.4 Example of TL / PL1 / PL2



PL1: Product label 1st level on bag

TL: Type label on item

PL2: Product label 2nd level on box



4 Supplier product labels 1st and 2nd level for bag, box or spool

If not further described the layout of the bag label is the same like the box label.

4.1 Generic label data

Data field record	Fixed data		Variable data			Remarks
	Field name	Min. Font size [mm]	Human readable (HR)	Min. Font size [mm]	Barcode (BC)	
	[10]	[mm]	[20]	[mm]	[30]	
SPLR Logo						
SPLR Item No.	(1P) SPLR PN	1.8	<<1P>>	1.8	Code-128	
SPLR Lot No.	(1T) SPLR LOT	1.8	<<1T>>	1.8	Code-128	See Para. 4.2
SPLR Item description	DESCRIPTION	1.8	<<DESC>>	4.9		
SPLR Revision state	(2P) SPLR EC#	1.8	<<2P>>	1.8		
Quantity	(Q) QTY	1.8	<<Q>>	4.9	Code-128	
Actual weight	(2Q) ACT WGT	1.8	<<2Q>>	1.8		Weight
Unit of measure	(3Q) U/M	1.8	<<3Q>>	4.9		Pieces: PC Meters: MT Weight: KG
Country of origin	(4L) ORIGIN	1.8	<<4L>>	1.8		HR: full text English BC: ISO 3166-2
Manufacturer ID	(6V) MFR ID	1.8	<<6V>>	1.8		
Production date	PROD DATE	1.8	<<16D>>	1.8		HR: YYYY.MM.DD BC: YYYYMMDD
2D Barcode					PDF417 or Datamatrix	All information's with identifiers (Para. 4.5)
SPLR Pictograms				6		See Para. 4.4
H+S Logo	H+S Logo					See Para. 4.4
H+S Item No.	(P) CUST PN	1.8	<<P>>	4.9	Code-128	
H+S Item description	DESCRIPTION	1.8	<<DESC>>	4.9		
H+S Revision state	(2P) SPLR EC#	1.8	<<2P>>	1.8		
H+S Pictograms				6		See Para. 4.4

Data responsibility:

H+S

Supplier

Not applicable



4.2 Definition of lot identifier format

HUBER+SUHNER needs the full traceability of each product lot, therefore a unique identifier is mandatory. It is possible for suppliers to use their own traceability system, if it complies with the following requirements:

Lot identifier requirements:

1. Each lot identifier is unique.
2. Lot identifier must not be repeated within 10 years.
3. Minimum and Maximum length of the lot identifier is 5 to 15 alphanumeric characters, digits are preferred.
4. Suppliers own lot identifier may be applied, if above mentioned specification are fulfilled.
5. A plain date code is not allowed, but it can be used in any order if it is complemented with a prefix or postfix of minimum 4 alphanumeric characters (XXXX) (see examples below: alternatives b to h). This complemented sequence may be the specific Manufacturing ID [(6V) MFR ID] issued by HUBER+SUHNER to the supplier (see paragraph 4.1/J).
6. The lot identifier can also be derived from the related HUBER+SUHNER purchase order (PO) combining PO number and PO position number (see examples below: alternative g).

Examples:

Conforming identifier

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
b	X	X	X	X	Y	Y	Y	Y	M	M	D	D					
c	D	D	M	M	M	Y	Y	X	X	X	X						
d	Y	Y	Y	Y	M	M	D	D	X	X	X	X					
e	Y	Y	M	M	X	X	X	X									
f	M	M	M	Y	Y	X	X	X	X								
h	X	X	X	X	Y	Y	M	M									
g	O	O	O	O	O	O	O	O	O	O	P	P	P	P			

Non-conforming identifier

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
a	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
b	X	X	X	X	Y	Y	Y	Y	M	M	D	D					
c	D	D	M	M	M	Y	Y	X	X	X							
d	Y	Y	Y	Y	M	M	D	D	X	X	X						
e	Y	Y	M	M	X	X	X										
f	M	M	M	Y	Y	X	X	X									
g	X	X	X	Y	Y	M	M										
h	O	O	O	O	O	O	O	O	O	O							

Alternative identifier formats vertical: a to g
Identifier position horizontal: 1 to n

X any kind of alphanumeric character
D Day
M Month
Y Year
O Purchase order number (10 digits)
P Purchase order item position (4 digits)



4.3 Layout

No.	Data field record (Example: H+S Item No.)
10	Fixed data: Field name
20	Variable data: Human readable
30	Variable data: Barcode

Supplier Logo

(1P) SPLR PN
[Barcode]
<<1P>>

(2P) SPLR EC#
<<2P>>

DESCRIPTION
<<DESC>>

(4L) ORIGIN
<<4L>>

(1T) SPLR LOT
[Barcode]
<<1T>>

(6V) MFR ID
<<6V>>

(P) CUST PN
[Barcode]
<<P>>

PROD DATE
<<16D>>

(Q) QTY
[Barcode]
<<Q>>

(3Q) U/M
<<3Q>>

Pictogram

Pictogram

Example: Supplier Product label on bag or box

Supplier Logo

(1P) SPLR PN
[Barcode]
17654321

(2P) SPLR EC#
A

DESCRIPTION
Screw, Panhead, M5x30mm, A2

(4L) ORIGIN
Switzerland

(1T) SPLR LOT
[Barcode]
12345678901

(6V) MFR ID
9862

(P) CUST PN
[Barcode]
84026052

PROD DATE
2012.02.21

(Q) QTY
[Barcode]
100

(3Q) U/M
PC

RoHS
compliant



4.4 Graphics

The graphics for the label printing are stored in our "Product Data Management – System". The file type is "WMF". Please contact the responsible person who is attended to you or write an email with your request to labelsupport@hubersuhner.com.

4.4.1 Logos

Pictogram	Logo Name	System number
	H+S Logo (monochrome)	DOC-0000202680

4.4.2 Pictograms

Pictogram	Pictogram Name	System number
	CE	DOC-0000202685
	EU RoHS	DOC-0000253436
	China RoHS EFPU 50	DOC-0000254585
	WEEE	DOC-0000233915
	CSA	DOC-0000349777



4.5 Format and barcode

4.5.1 Barcode definition

Barcode height	min. 6mm
Code Type	Code 128, Typ B
Space	min. 0.25mm
Check character	1

Identifiers in barcode

Identifiers in 1D-barcodes are not allowed.

Identifiers in 2D-Barcode are mandatory.

2D Barcode

The Content of a 2D-Barcode inherits a string with start-, separator-, data- and stop-terms. The start-, separator- and stop-terms are not printable and are defined as follows: (more information in *ISO/IEC 15434*)

[>^{R_s}06^{G_s} → the beginning symbol according to ANSI Standard

^{G_s} → delimiter symbol to show a new data content

^{R_s}EOT → end of data-string and end of 2D-Barcode

Example for CODESOFT®

[>{RS}06{GS}1P17654321{GS}P84026052{GS}2PA{GS}Q100{GS}3QPC{GS}1T12345678901{GS}16D20120221{GS}4LCH{GS}6V9862{RS}{EOT}

The red text symbols are to indicating the data content. You can find the definitions in paragraph 4.1 or in the ANSI-Standard “ANSI MH10.8.2”.

Allowed 2D-Barcodes

Datamatrix:	PDF417:
	
ECC: 200 Element width (dots): 6 According to <i>ISO/IEC 16022</i>	Security Level: min. 3 Truncated mode: On According to <i>ISO/IEC 15438</i>



5 Template for specific data content definition of the supplier product label

Mandatory: to be specified for each individual item.

5.1 Specific label data defined by H+S

	Fixed data	Variable data		Remarks
Data field record	Field name	Variable name	Variable content	
H+S Item No.	(P) CUST PN	<<P>>		Acc. to purchase order: " Material No. "
Manufacturer ID	(6V) MFR ID	<<6V>>		Supplied by H+S purchasing department
Quantity on PL1	(Q) QTY	<<Q>>		Acc. to purchasing specification
Quantity on PL2	(Q) QTY	<<Q>>		Acc. to purchasing specification
Unit of measure	(3Q) U/M	<<3Q>>		Acc. to purchasing specification

H+S has to deliver the data content

5.1.1 Packaging quantities

Packaging level	Label type	Packaging type	Quantity per packing unit [(Q) QTY]	Unit of measure [(3Q) U/M]
primary packaging	PL1: Product label 1 st level	Bag	According to purchasing specification	According to purchasing specification
secondary packaging	PL2: Product label 2 nd level	Box	According to purchasing specification	According to purchasing specification

Example

Label type: 1st level

- Packaging type: primary packaging
- Product label: PL1
- Quantity: 1 PC (one piece: content / unit type)



Label type: 2nd level

- Packaging type: secondary packaging
- Product label: PL2
- Quantity: 20 PC (twenty pieces: content / unit type)

