

## COMMITTEE OF EXPERTS ON THE TRANSPORT OF DANGEROUS GOODS AND ON THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

Sub-Committee of Experts on the  
Transport of Dangerous Goods  
(Twentieth session, 3-12 December 2001,  
agenda item 5 (b))

### PACKAGINGS

#### Amendment of Packaging instruction LP 02 to include flexible large packagings

Transmitted by the European Chemical Industry Council (ICCA)

#### Background

A new design type of a flexible large packaging intended for the transport of packing group III solids (powder) in PE blockbottom bags as inner packagings was developed and successfully tested. This large packaging consists of the following parts:

A "Flexible Cover Bag (FCB) Bottom Part" made of woven polypropylene fabric (outside coated) holding 20 X 25 kg welded PE blockbottom bags containing the powdery material. Four flexible bottom loops sewed at the four bottom corners fix the bottom part onto a CP-1 pallet.

The bottom part is then covered by a "Flexible Cover Bag (FCB) Hood" made of woven polypropylene fabric (outside coated). The completed large packaging is further held together and fixed to the pallet by wrapping round with four strong plastics tapes (Strapex).

The following tests under the supervision of the competent authority were performed with this large packaging filled with 20 X 25 kg bags containing the original material:

1. Bottom lift test (6.6.5.3.1): test weight 667 kg. No deformation and no loss of content was observed.
2. Drop test (6.6.5.3.4): drop height 0.8 m, test weight 530 kg. No rupture nor damage was exhibited. There was no leakage of the filling substance from inner packagings.
3. Stacking test (6.6.5.3.3): test weight 954 kg. No deformation and no loss of content was observed.

The competent authority of Switzerland has tested the design type of this flexible large packaging intended for transporting of packing group III solids with a maximum weight of 500 kg per large packaging.

The Packing instructions LP 02 for large packagings (solids) does not allow the use of flexible plastics large packagings, code 51H. CEFIC is proposing the amendment of Packing instruction LP 02 to include flexible large packagings.

**Proposal:**

It is proposed that paragraph 4.1.4.3 LP 02 Packing instructions (solids) is amended by including Flexible Plastics (51H) for solids of packing group III:

<b>Inner packagings</b>	<b>Large outer packagings</b>	<b>Packing group I</b>	<b>Packing group II</b>	<b>Packing group III</b>
Plastics <u>2/</u> 50 kg	Flexible Plastics (51H)	Not allowed	Not allowed	Maximum capacity: 3 m <sup>3</sup>

2/ *These inner packagings shall be sift-proof.*

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