

**FEDERAL PUBLIC SERVICE MOBILITY AND TRANSPORT  
CO-ORDINATION COMMISSION FOR THE TRANSPORT  
OF DANGEROUS GOODS**

**CERTIFICATE OF APPROVAL**

The packaging of type 3H1 plastic jerrican with a nominal capacity of 6 l ( 326 g  $\pm$  4%) and 5 l (292g  $\pm$  4%) manufactured by AST Kunststoffverarbeitung – Erndtebrück (D) and described in report n° n° G-02.110 , G-02.177 and G-04.004 issued by IBE-BVI is accepted for the transport by land (road and rail), by sea and by air of dangerous goods mentioned in following annex, within the limits prescribed in that annex.

Type-series packagings shall in every way be in conformity with the approved design type described in the above mentioned report and successfully pass all the tests specified in :

- the IMDG-Code, Part 6
- the European ADR-Agreement, Part 6
- the International RID-Regulation, Part 6
- the ICAO Technical Instructions, Part 6.

These packagings shall bear the following identification marking :



The identification marking shall be indelible and preferably inscribed on one of the lateral sides of the packaging. The affixing of the marking shall not weaken the strength of the packaging.

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(\*) The two last digits of the year of manufacture.

Packagings of types 1H and 3H shall also be appropriately marked with the month of manufacture; this may be marked on the packaging in a different place from the remainder of the marking.

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The closing devices of the approved packagings shall be in accordance with those described in the report and bear the following identification mark : normal closure type HP51 and KTH 51/ HP61 and KTH 61/ HF51 and HF 61  
Venting closure HP 51 and KTH 51/HP61 and KTH 61 (all caps with and without Schutzkappe)

If the closing devices are manufactured by subcontractors, the manufacturer to whom the certificate of approval was assigned remains directly responsible for the conformity of the whole packaging.

Any alteration of the above mentioned packaging (including the closing devices) or of its operating conditions implies the automatic cancellation of this certificate.

The Commission reserves at any time the right to invalidate this certificate.

Special requirements :

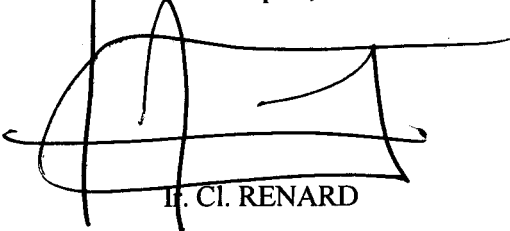
Tests effectuated with the standard liquids :

- water (venting + normal closure)
- wetting solution
- mixture of hydrocarbons
- n-Butyl acetate
- nitric acid 55%(venting + normal closure)

Annex : 3 pages

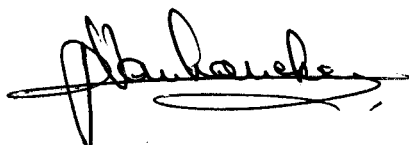
Brussels, 21.05.04

For the Administration  
of Transport,



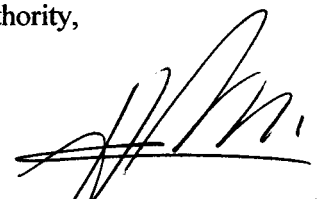
I. Cl. RENARD

for the Maritime  
Administration



Ing. P. VAN LANCKER

for the Civil Aviation  
Authority,



M. HINOUL

Adresses : AST Kunststoffverarbeitung GmbH  
Mühlenweg 9

D – 57339 ERNDTEBRÜCK

**FOD - MOBILITEIT EN VERVOER**

Coördinatiecommissie voor het vervoer  
van gevaarlijke goederen

**SPF MOBILITE ET TRANSPORT**

Commission de coordination des transports  
de marchandises dangereuses

040069

Road and rail transport

**3H1/X1.9/250/\***  
**B/AST-020132**

Substances accepted for carriage and conditions for packingSubstances of the classes 1,3, 4.1, 4.2, 4.3, 5.1, 5.2, 6.1, 6.2,8 and 9

if allowed by the following section marks of the ADR/RID and under the conditions specified in these section marks :

3.2, 4.1.4 and 4.1.10 (ADR).

3.2, 4.1.4 and 4.1.10 (RID)

Substances are allowed if they are assimilated to a standard liquid - see section mark 6.1.6.2 .

Water		
1	2	3
I	1.9	200
II	1.9	200
III	1.9	200

Wetting solution		
1	2	3
II	1.2	170
III	1.2	170

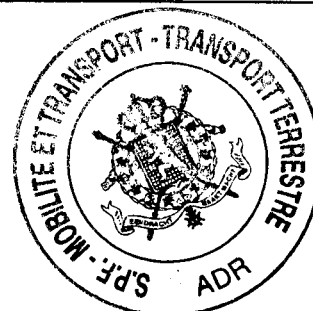
Acetic acid		
1	2	3
II	1.2	170
III	1.2	170

N-butyl acetate		
1	2	3
II	1.2	170
III	1.2	170

Mixture of hydrocarbons		
1	2	3
II	1.2	170
III	1.2	170

Nitric acid		
1	2	3
II	1.4	170
III	1.4	170

1 = packing group; 2 = max. relative density; 3 = max. vapour pressure at 50° C (kPa)

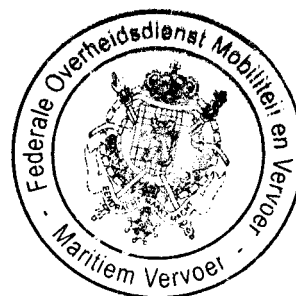




## FOR SEATRANSPORT

General conditions

- This packaging may only be used for the products for which this packaging is allowed in the IMDG-code and under the conditions specified in that code.
- The product may not attack the packaging (nor the closing devices).
- For products of class 1, the packaging shall also be approved by the  
Ministry of Economic Affairs  
Bestuur van de Kwaliteit en Veiligheid/Administration de la Qualité et de la Sécurité  
Service des Explosifs/Dienst der Springstoffen  
Boulevard du Roi Albert II, 16  
1000 - BRUSSELS
- The manufacturer must inform the user of the packaging and all persons, responsible for the loading and the stowing of the ship, of the conditions specified in this certificate.
- All accidents or events that may influence the security adversely during loading, during the voyage or during the unloading of the ship, shall reported to Maritime Transport, "scheepvaartcontrole".





## FOR SEATRANSPORT

Permitted products

- The products of which the chemical compatibility is shown by testing with the following testliquid(s) (ADR 6.1.6):

Testliquid	density	Pressure during Hydr. Test	remark
Water	1.9	250	-
solution of hydrocarbons (white spirit)	1.2	200	-
n-butyl acetate	1.2	200	-
nitric acid 55 %	1.4	200	-
acetic acid 98-100 %	1.2	200	-
wetting agent solution	1.2	200	-

- The products of which the compatibility is shown by the six months test (ADR 6.1.5.2.5) or another method recognized by the Maritime Transport, "scheepvaartcontrole".

products : nihil





## Air Transport

The type of packaging covered by this certificate of approval may be used for the transport by air under following conditions:

- The type of packaging must be allowed by the appropriate packing instruction as detailed in part 4 of the Technical Instructions.
- The quantities must never exceed the maximum allowed quantities in the table 3-1 of the Technical Instructions.
- For combination packagings, the quantities per inner packaging(s) must also not exceed the quantities permitted by the applicable packing instruction.
- The packaging must comply with the general packing instructions of part 4 chapter 1 and with the packaging specifications of part 6 chapter 1 and 2 of the Technical Instructions.
- For products of class 1, the package must also be approved by the :

Ministry of Economic Affairs

Bestuur van de Kwaliteit en Veiligheid/Administration de la Qualité et de la Sécurité

Service des Explosifs/Dienst der Springstoffen

Boulevard du Roi Albert II, 16

1000 - BRUSSELS

