

**MINISTRY OF TRANSPORT AND INFRASTRUCTURE
CO-ORDINATION COMMISSION FOR THE TRANSPORT
OF DANGEROUS GOODS**

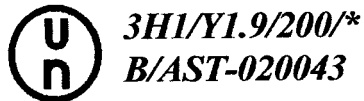
CERTIFICATE OF APPROVAL

The packaging of type 3H1 plastic jerrican with a nominal capacity of 10 l (435 g) manufactured by **AST Kunststoffverarbeitung- ERNDTEBRÜCK (D)** and described in report n° G-01.152 and G-02.047 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, appendix A5
- the International RID-Regulation, appendix V
- the ICAO Technical Instructions, part 7.

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.

(*) 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.

- The closing devices of the approved packagings shall be in accordance with those described in the report and bear the following identification mark :

- KTH61 / HP 61/ mit und ohne Vliesentgassung
- KTH51 / HP 51/ mit und ohne Vliesentgassung
- KTH61 / HP 61 mit Schutzkappe
- KTH51 / HP 51 mit Schutzkappe
- Nr. 61 HF und Nr. 51 HF

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
- n-butyl acetate
- solution of hydrocarbons
- acetic acid
- wetting solution
- nitric acid 55%

Annex : 3 pages

Brussels, 07.06.2002

For the Administration
of Transport,

for the Maritime
Administration

for the Civil Aviation
Administration,


Ir. Cl. RENARD


Ing. J. BOUCKENAERE


G. ROBERT

Adresses : AST KUNSTSTOFFVERARBEITUNG
Mühlenweg 9
D - 57339 ERNDTEBRÜCK

Ministère des Communications
Commission de coordination des transports
de marchandises dangereuses

Ministerie van Verkeerswezen
Coördinatiecommissie voor het vervoer
van gevaarlijke goederen

020085

Road and rail transport



3H1/Y1.9/200/*
B/AST-020043

Substances accepted for carriage and conditions for packing

Substances 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 marginals of the ADR/RID and under the conditions specified in these marginals :

2100 to 2105, 2300 to 2312, 2400 to 2412, 2430 to 2442, 2470 to 2482, 2500 to 2512, 2550 to 2559, 2600 to 2612, 2800 to 2812,2900 to 2912 (ADR)

100 to 105, 300 to 312, 400 to 412, 430 to 442, 470 to 482, 500 to 512, 550 to 559, 600 to 612, 800 to 812, 900 to 912 (RID)

Substances are allowed if they are assimilated to a standard liquid - see section II of the annex to appendix A5 (V).

Water		
1	2	3
b	1.9	170
c	1.9	170

Wetting solution		
1	2	3
b	1.2	170
c	1.2	170

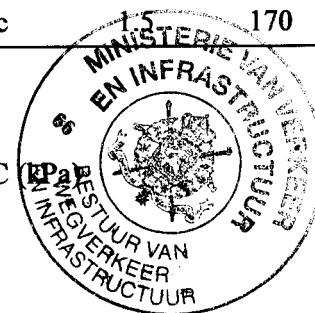
Acetic acid		
1	2	3
b	1.2	170
c	1.2	170

N-butyl acetate		
1	2	3
b	1.0	170
c	1.0	170

Mixture of hydrocarbons		
1	2	3
b	1.0	170
c	1.0	170

Nitric acid		
1	2	3
b	1.5	170
c	1.5	170

1 = letters of classification; 2 = max. relative density; 3 = max. vapour pressure at 50° C (kPa)





AUTHORIZED GOODS AND PRESCRIPTIONS FOR THE TRANSPORT BY AIR

1. Combination packagings (outer packagings with inner packagings) and single packagings to be used for the transport of solids :

Classes 1*, 2, 3, 4, 5, 8 and 9 : Division 6.1

All the products authorized for transport by air according to table 2-14 of the ICAO Technical Instructions and for the maximum net quantities indicated in that table. The type of packaging covered by the certificate of approval (1A2, 4C1 and so on ...) must conform to the appropriate packaging instructions detailed in Part 3 of the ICAO Technical Instructions.

See part 3, Chapter 1 and Part 4, Chapters 2 and 3 of the ICAO Technical Instructions about the general packaging instructions, the marking and label specifications.

- products classified in the packing group(s)
- gross mass authorized per package <..... kg

* For this class, 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
Bvd Emile Jacqmainlaan 154
1000 - BRUSSELS

2. Single packagings to be used for the transport of liquids

Classes 3, 8 and 9, divisions 4.3, 5.1 and 6.1

All the products authorized for transport by air according to table 2-14 of the ICAO Technical Instructions and for the maximum net quantities indicated in that table. The type of packaging covered by the certificate of approval (1A1, 3A1, 1H1 and so on ...) must conform to the appropriate packaging instructions detailed in Part 3 of the ICAO Technical Instructions.

See part 3, Chapter 1 and Part 4, Chapters 2 and 3 of the ICAO Technical Instructions about the general packaging instructions, the marking and label specifications.

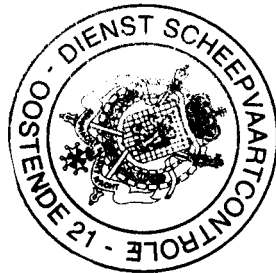
- products classified in the packing group(s) II and III
with a corresponding relative density ≤ 1.9
- vapour pressure at 50° C ≤ 170 kPa



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, Administration of the Quality and Security, Belgian service of Explosives, Bd.Emile Jacqmainlaan 154, 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 the Belgian Maritime Inspectorate.





3H1/Y1.9/200/*
B/AST-020043

FOR SEATRANSPORT

Special conditions

- The packaging shall only be used once for seattransport till 5 years after production.
- Protection against U.V.radiation : by coloration of the material with carbon black or blue pigment.

Permitted products

- The products of which the chemical compatibility is shown by testing with the following testliquid(s) (ADR Annex to A5) :

Testliquid	density	pressure during hydr. test	remark
water	1.9	200	-
solution of hydrocarbons (white spirit)	1.0	200	-
n-butyl acetate	1.0	200	-
nitric acid 55 %	1.5	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 (IMDG-code, part 6) or another method recognized by the Chief of District of the Maritime Inspectorate.

products : nihil

