



TNO-report

VERP 08.13124/PS

Packaging of dangerous goods

IBC approval no. 448

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Description of the IBC

Rigid plastics IBC for liquids

| | |
|-------------------------|---|
| Packaging code | : 31H2 |
| Type description | : Truckmaster |
| Nominal capacity | : 950 liter |
| Dimensions | : 1400 x 1000 x 1210 mm |
| Nominal mass (empty) | : 85 kg (including lid, excluding accessories as listed under options) |
| Material | : mMDPE |
| Type | : mPE M 3421 UV |
| Supplier | : Total Petrochemicals |
| Method of manufacturing | : rotational moulding |
| Filling opening | : offset fill opening 2" BSP male thread with metal closure or plastics PP or PE closure supplied with diesel resistant rubber pad (seal) |
| Options | : up to 3 moulded-in inserts with either 2" BSP or 1½" BSP female thread |
| | - Insert 1: with plastics vent |
| | - Insert 2: metal fitting with gauge (liquid level indication) |
| | - Insert 3: metal fitting with suction take off line: a ball valve connected to a pump (with optionally a flowmeter) and a hose with a nozzle |

Reference regulations

| | |
|-------------------|-------------------|
| Sea transport | : IMDG Code, 2006 |
| Road transport | : ADR, 2007 |
| Railway transport | : RID, 2007 |

Reference reports

| | |
|---------------|--|
| TNO-report(s) | : VERP 07.11858/CS-R1, dated June 11, 2007 |
|---------------|--|

Contents to be transported

| | |
|--------------------------------------|---|
| Packing group | : II and III |
| Liquids | |
| To be assimilated to standard liquid | : white spirit |
| Maximum relative density | : 1.2 |
| Hydraulic test pressure | : 40 kPa |
| Maximum gross mass | : 1237 kg |
| Stacking height | : not stackable/ not intended to be stacked |

UN-mark

TNO Certification BV as competent authority has issued the following mark:



31H2/Y/--/NL/Truckmaster 448/0/1237**

| | |
|-------------------------------------|------------------|
| Capacity at 20°C | : 950 litres |
| Tare mass | : 85 kg |
| Test pressure | : 40 kPa |
| Date of the last leakproofness test | : month and year |
| Date of the last inspection | : month and year |
| Serial number of the manufacturer | : |

**-- the month and the last two digits of the year in which the packaging was produced should be entered here.

This mark can be used by the holder of the UN-mark, TITAN-EKO in Rokietnica, Poland, to indicate that the packagings produced meet the requirements.

Quality assurance

Manufacturing of packagings bearing this mark must be according to a quality assurance system as laid down by TNO Certification B.V. in the Guideline as applicable.

Use of packagings

The use of packagings of the approved type for the transport of dangerous goods has been laid down in the regulations applicable in the mode of transport.

Validity

This approval replaces all approvals issued earlier.

The use of packagings, manufactured in a period in which a previous approval was valid, is allowed.



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Project manager



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