Patent claims

1. A pallet container (10) for storing and for transporting in particular hazardous liquid or free-flowing filling materials, having a thin-walled rigid inner container (12) from a thermoplastic plastics material, having a tubular lattice frame (14) of horizontal and vertical tubular bars (18, 20) which are welded to one another, said tubular lattice frame (14) as a supporting jacket tightly enclosing the plastics-material inner container 12, and having a base pallet (16) on which the plastics-material inner container (12) bears and to which the tubular lattice frame (14) is fixedly connected, wherein the base pallet (16) is configured as a composite embodiment or as a frame pallet having corner feet (22) and central feet (24) from plastics material, steel, or timber, and encircling base steel tubing (26) therebelow, wherein for stacking pallet containers (10) of identical types on top of one another a clearance (32) in the corner feet (22) and the central feet (24) is provided on the base along the external edges of all four sidewalls of the base pallet (16), said clearance (32) being configured such that when stacking two pallet containers (10) on top of one another, the uppermost encircling horizontal tubular bar (18) of the tubular lattice frame (14) of a pallet container (10) stacked therebelow engages in a mutually adapted and form-fitting manner in an exact fit in the clearance (32),
characterized in that
the clearance (32) in the vertical direction is configured so as to be deeper, specifically up to double the depth (or height, respectively), than in the horizontal or radial direction, wherein the clearance (32) on the lower external periphery of the corner feet and central feet in the horizontal or radial direction is configured so as to be 20 mm to 25 mm plus/minus 2 mm deep, and in the vertical direction so as to be 25 mm to 40 mm plus/minus 2 mm deep so that a nesting depth of more than 15.5 mm is achieved.

2. The pallet container as claimed in claim 1, **characterized in that**
the uppermost encircling horizontal tubular bar (18) of the tubular lattice frame (14) of the pallet container (10) stacked below, in a manner engaging

in the lower external periphery of the base pallet (16) of the pallet container (10) stacked on top, comprises said lower external periphery of the base pallet (16) up to a height of 40 mm.

3. The pallet container as claimed in one of preceding claims 1 or 2, **characterized in that**
the uppermost encircling horizontal tubular bar (18) of the tubular lattice frame (14) is reinforced by two transverse stays (40) which are fastened at two opposite external sides of the horizontal tubular bar (18), by means of in each case one U-shaped tubular end (56) having two mutually screw-fitted legs (58, 60) of the U-shaped tubular ends (56) that engages across the horizontal tubular bar (18), wherein flathead furniture screws (62) are in each case screwed in for screw-fitting the tubular end legs (58, 60).

4. The pallet container as claimed in claim 3, **characterized in that**
when stacking two pallet containers (10) on top of one another, in the case of an embodiment having a composite base pallet (16), the encircling base steel tubing (26) below the corner feet (22) and the central feet (24) from plastics material comes to bear directly on the two transverse supports (40) and the inner legs (58) of the U-shaped tubular ends (56).

5. The pallet container as claimed in one of preceding claims 1 to 4, **characterized in that**
when stacking two pallet containers (10) on top of one another, the lower external periphery of the base pallet (16) up to the end face of the clearance (32) across a height of 40 mm plus/minus 2 mm is configured so as to engage on the internal side along the uppermost encircling horizontal tubular bar (16) of the tubular lattice frame (12) of the pallet container (10) stacked below.

6. The pallet container as claimed in one of preceding claims 1 to 5, **characterized in that**
when stacking two pallet containers (10) on top of one another having a unit height H of in each case 1151 mm by sinking the upper pallet container

into the lower pallet container (= nesting) in total an overall stack height H2e of only 2250 mm to 2270 mm results.