



**INDUSTRIAL  
PACKAGING**

## **Industrial Containers: Performance Packaging Guide**



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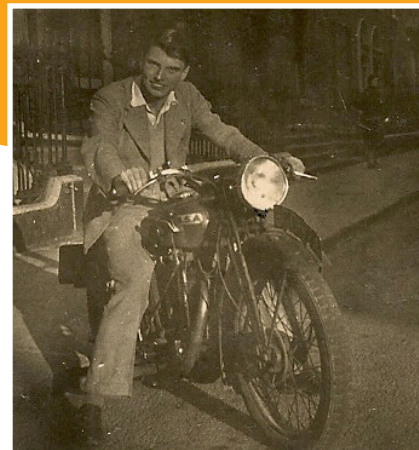
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## OUR STORY

Industrial Packaging was founded in Dublin City Centre, by Fred Lee, in 1947. Three generations later, the company remains 100% family-owned and operated. From our two purpose-built factories in Bray, Co. Wicklow, we employ a team of over 40 packaging specialists.



We manufacture and distribute high performance, industrial containers designed to both protect our customers products and to protect people and the environment from the products packed inside.

Our team prides ourselves on having the technical knowledge and engineering capability to solve problems for our customers.



If you have a high value, sensitive or hazardous product packaging problem we would love to hear from you.





## FIBRE DRUMS - MANUFACTURED IN WICKLOW



### LeverLoc Fibre Drums

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, steel and HDPE

**Sizes:** 17 | 20 | 30 | 34 | 47 | 52 | 62 | 84 | 103 | 113 | 120 | 140 | 143 | 175 | 205 | 220 Litre

**Use Case:** Bulk packaging of high value products such as powders, tablets and granules



### Econo All-Fibre Drums

**Protection:** Convolute wound body reinforced with a kraft-lined polyethylene coating, fibreboard slip on lid and fixed base

**Tamper Evidence:** No

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre

**Sizes:** 17 | 47 | 100 | 110 | 160 Litre

**Use Case:** Lower value food products or waste products such as PPE



### Enviroloc Fibre Drums

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid, laminated kraft-lined/polyethylene coated fibreboard base

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, steel and HDPE

**Sizes:** 35 | 75 | 64 Litre

**Use Case:** Packing of high-value solids. Drum components are easily separated by hand at end of life for recycling.



### WastePac Fibre Drums

**Protection:** Convolute wound multiple-ply kraft, reinforced by galvanized steel bands crimped to top and bottom and securing the plywood reinforced base

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, steel and HDPE

**Sizes:** 120 | 210 Litre

**Use Case:** Alternative to steel, ultra-strong, outdoor-friendly, for waste.

## V-Mark Lab Small Drums

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid, Alufoil liner on inner wall and base and outer wall painted with lacquer to provide extra protection

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1GV marked for lab smalls

**Material Composition:** Fibre, steel, HDPE and integrated liner

**Sizes:** 30 | 60 | 120 Litre

**Use case:** Specifically tested and certified to contain and transport dangerous lab smalls.



## Tablet-Safe Foam Lined Drums

**Protection:** Fibre drum with metal chimbs, lever closure, plastic lid, foam integration into base, side wall and lid

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, steel, HDPE, foam liner, foam pad

**Sizes:** 17 | 20 | 30 | 34 | 47 | 52 | 62 | 84 | 103 | 113 | 120 | 140 | 143 | 175 | 205 | 220 Litre

**Use Case:** Bulk tablet shipments. Mitigates tablet crush in uncoated and shaped tablets.



## FibreFree Cleanroom Fibre Drum

**Protection:** Fibre drum with metal chimbs, lever closure and a plastic lid, poly-lined both internally and externally ensuring no exposed fibre

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, metal, plastic and poly-lined

**Sizes:** 140L standard or custom

**Use Case:** Designed for cleanrooms and GMP production areas



## AeroPac Aerosol Disposal

**Protection:** Fibre drum with metal chimbs, lever closure, plastic vented lid and an integrated liner and absorbent pad

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1G for solids

**Material Composition:** Fibre, metal, plastic, integrated liner & absorbent pad

**Sizes:** 30 | 60 | 120 | 220 Litre

**Use Case:** Packaging & transport of waste aerosol cans



## CURTEC PLASTIC DRUMS - SCREW TOP



### Wide Neck Drums

Protection: Water (Vapor) Tight

Tamper Evidence: Yes

Stackable: Yes

UN Cert: 1H2 for solids

Material Composition: HDPE

Sizes: 3.6 | 6 | 10 | 15 | 20 | 26 | 42 | 55 | 68 Litre



### Total Opening Drums

Protection: Water (Vapor) Tight

Tamper Evidence: Yes

Stackable: Yes

UN Cert: 1H2 for solids

Material Composition: HDPE

Sizes: 17 | 26 | 34 | 39 | 55 | 64 | 75 | 90 | 110 Litre



### Nestable Drums

Protection: Water (Vapor) Tight

Tamper Evidence: Yes

Stackable: Yes

UN Cert: 1H2 for solids

Material Composition: HDPE

Sizes: 30 | 40 | 50 | 60 | 75 | 115 | 120 | 150 Litre



### Square Drums

Protection: Water (Vapor) Tight

Tamper Evidence: Yes

Stackable: Yes

UN Cert: 1H2 for solids

Material Composition: HDPE

Sizes: 40 | 50 | 66 | 80 Litre



### Conductive Drums

Surface Resistivity:  $\leq 1,000,000$  Ohm

Protection: Water (Vapor) Tight

Tamper Evidence: Yes

Stackable: Yes

UN Cert: 1H2 for solids

Material Composition: HDPE

Sizes: 26 | 75 Litre

## UV Safe Drums

**UV Protection** 200 – 400 nm Range

**Protection:** Water (Vapor) Tight

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE

**Sizes:** 6 | 15 | 26 | 55 Litre



## Packo – Pharma Grade

**Protection:** Water (Vapor) tight jar with screw lid and inner-seal or screw lid with integrated gasket. 90 degree open/close turn. Smooth inside.

**Tamper Evidence:** Yes

**Stackable:** No

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE

**Sizes:** 300 | 500 | 650 | 1000 | 1300 | 1500 | 2000 | 2500 ml



## Packo – UV Safe

**Protection:** Water (Vapor) Tight jar with screw lid and inner-seal or screw lid with integrated gasket. 90 degree open/close turn. Smooth inside.

UV protection within the 200 – 400 nm range.

**Tamper Evidence:** Yes

**Stackable:** No

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE

**Sizes:** 300 | 500 | 650 | 1000 | 1300 ml



## Click Pack

**Protection:** Water (Vapor) Tight. Pail with screw lid. 90 degree open/close turn. Smooth inside.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE

**Sizes:** 6 | 10 | 15 | 20 | 25 Litre





## PLASTIC DRUMS, LEVERLOC AND TIGHTHEAD



### Open Top LeverLoc Plastic Drums - Round

**Protection:** Robust and lightweight open-top drums. Lever-clamp security seals and vented lids available.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for solids & liquids

**Material Composition:** HDPE & Steel

**Sizes:** 20 | 30 | 60 | 120 | 150 | 208 | 220 Litre

**Use Case:** Solids, powders, liquids, pastes



### Open Top LeverLoc Plastic Drums - Square

**Protection:** Robust & lightweight open-top drums, lever-clamp security seals & vented lids available. Square shape increases transport efficiency.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE & Steel

**Sizes:** 30 | 33 | 60 | 125 Litre

**Use Case:** Solids, pastes, tablets



### Tight Head Plastic Drums

**Protection:** Robust & lightweight, 2" bung, UN approved for transport of liquids

**Tamper Evidence:** Yes

**Stackable:** No

**UN Cert:** 1H1 for liquids

**Material Composition:** HDPE

**Sizes:** 60 | 120 | 210 | 220 Litre

**Use Case:** Storage and transport of high value or hazardous liquids



### Jerricans

**Protection:** Robust and secure jerrican. Transport cost-efficient. Vented cap available. Integrated spout available (20L). EU food grade & FDA.

**Stackable & Tamper Evidence:** Yes

**UN Cert:** 3H1 for liquids

**Material Composition:** HDPE

**Can Sizes:** 2.5 | 5 | 10 | 20 | 25 Litre

**Stock Colours:** Natural | Blue | Range of other colours available to order



# STEEL DRUMS

## Open Top Steel Drums

**Protection:** Strong and durable barrel for protection of high value solids & liquids. Branding and painting options available. Can be supplied with internal lacquer.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A2 for solids and liquids

**Material Composition:** Steel

**Sizes:** 98 | 212 | 216 Litre

**Use Case:** Packing of high value or hazardous solids and liquids



## Open Top Steel Drums - Conical

**Protection:** Strong and durable barrel for protection of high value solids & liquids. Branding and painting options available. Can be supplied with internal lacquer. Conical, tapered shape greatly increases pallet space.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A2 for solids and liquids

**Material Composition:** Steel

**Sizes:** 30 | 60 | 100 | 120 | 218 Litre

**Use Case:** Packing of high value or hazardous solids and liquids



## Tight Head Steel Drums

**Protection:** Strong and durable barrel for protection of high value liquids. Branding and painting options available. Can be supplied with internal lacquer and internal poly-bottle.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A1 for liquids

**Material Composition:** Steel

**Sizes:** 12 | 14 | 25 | 60 | 208 | 216 Litre

**Use case:** Packing of high value & hazardous liquids



## Salvage Drums

**Protection:** Salvage drum designed to safely transport or dispose of used, out of date or damaged plastic drums. Can be lacquered internally.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A2 (Steel) & 1H2 (MDPE)

**Material Composition:** Steel or MDPE

**Sizes:** 320 Litre

**Use Case:** Storage, transport & disposal of expired/damaged drums



## PLASTIC & TINPLATE PAILS



### Ropac Secure – Solids

**Protection:** Tough and durable drum for the protection and transport of high value solids.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for solids

**Material Composition:** HDPE

**Sizes:** 3 | 5 | 6 | 10 | 15 | 20 | 31 | 32 Litre

**Use Case:** Storage and transport of high value and hazardous solids



### Ropac Prime – Liquids

**Protection:** Tough and durable drum for the protection and transport of high value liquids. Lids can be fitted with a flex-spout for easy and safe emptying.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1H2 for liquids

**Material Composition:** HDPE

**Sizes:** 5 | 10 | 15 | 20 Litre

**Use Case:** Inks, Coatings, adhesives or paint



### Conical Tapered Pails

**Protection:** Strong and durable barrel for protection of high value liquids. Branding and painting options available.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A1 for liquids

**Material Composition:** Steel

**Sizes:** 2.5 | 3 | 4 | 5 | 6 | 6.5 | 9 | 10 | 12.5 | 15 | 18 | 20 | 21 | 23 | 25 | 26 | 28 | 29 | 30 | 34 | 35 | 45 | 55 | 60 Litre

**Use Case:** Storage and transport of solvent-based liquids, chemicals, paints, adhesives, lacquers etc.



### Rectangular Tins

**Protection:** Light and durable tins for protection of high value liquids. Branding and painting options available.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 1A2 for liquids

**Material Composition:** Steel

**Sizes:** 330 | 540 | 820 | 1100 | 3400 | 4800 | 5700 | 6100 ml

**Use Case:** Storage and transport of various valuable liquids

## IBC - New & Reconditioned

**Protection:** Durable HDPE container surrounded by a steel tube cage and a composite/steel frame pallet.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 31HA1 for liquids

**Material Composition:** HDPE, Steel, Wood

**Sizes:** 300 | 600 | 800 | 1000 Litre

**Use Case:** Space efficient storage and transport of bulk liquids



## IBC - Explosive Zones

**Protection:** Durable HDPE container surrounded by a steel tube cage and a composite/steel frame pallet. Specifically designed for use in explosive zones 1 & 2 and for flammable liquids with a flashpoint below 61°C.

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 31HA1 for liquids

**Material Composition:** HDPE, Steel

**Sizes:** 1000 Litre

**Use Case:** Space efficient storage and transport of flammable liquids such as alcohols, ethers, solvents.



## FIBCs - Flexible IBCs

**Protection:** Flexible Industrial Bulk Containers are a cost effective solution for transporting lower value solids. Integrated forklift loops. Custom branding & printing available.

**Tamper Evidence:** No

**Stackable:** Yes

**UN Cert:** 13H3 for solids

**Material Composition:** Food grade PE fabric with PE liner

**Sizes:** 1000 | 1200 Litre & Custom

**Use Case:** Storage & transport of food powders, pharmaceuticals, minerals, chemicals and waste.



## UN Certified Boxes

**Protection:** Heavy duty boxes. 100% recyclable. Light for air freight. Pallet boxes available (1078 Litres)

**Tamper Evidence:** Yes

**Stackable:** Yes

**UN Cert:** 4G for solids and 4GV for Liquid combination pack

**Material Composition:** Kraft paper

**Sizes:** 6 | 10 | 16 | 24 | 28 | 40 | 65 | 90 | 158 | 240 | 1000 Litre

**Use Case:** Shipping of hazardous materials & light, but bulky waste



## ACCESSORIES



## Security Seals

Industrial Packaging stock a range of tamper evidence and security seals for drums and IBC's. We can also offer bespoke logo printed seals to tie in with your brand image and enhance tamper evidence.



## Caps, Bungs & Lids

Whether it's for spares or a specialist application, we keep of stock of caps, bungs & lids to match all the containers we supply.



## Drum & IBC Tools

It's important to have the right tool for the job. To help our customers stay compliant with ADR, as well as H&S, we have sourced a range of hard to find tools for torquing and closing the industrial containers we supply.



### Rob Lee

**Role:** Rob was very proud to join the family business in 2010. Prior to this, he had worked in both the Chemical and Marketing industries. As a qualified Dangerous Goods Safety Adviser, Rob is our Pharma, Chemical, Food and Dangerous Goods Packaging expert.

**Speciality:** Sales & Marketing Director + DGSA

**Email:** [rob@industrialpackaging.ie](mailto:rob@industrialpackaging.ie)

**Number:** +353 86 057 9144



### Graham Kennedy

**Role:** As a Technical Account Manager, Graham has over 10 years experience in business development, account management, business analytics and packaging. Graham's role is to welcome new business and make sure his clients requirements are always met. Graham is a qualified Dangerous Goods Safety Advisor (DGSA) and MSc.

**Speciality:** New Business Development, Account Management & DGSA

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### Kevin Perks

**Role:** Having joined in 2016, Kevin has a background in both warehousing and customer service. He is dedicated to keeping our customers happy and managing our supply chain on a daily basis.

**Speciality:** Customer Service & Logistics

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## Introduction to UN Packaging

This guide contains pictures and information on the various UN certified package types manufactured and distributed by Industrial Packaging Ltd.

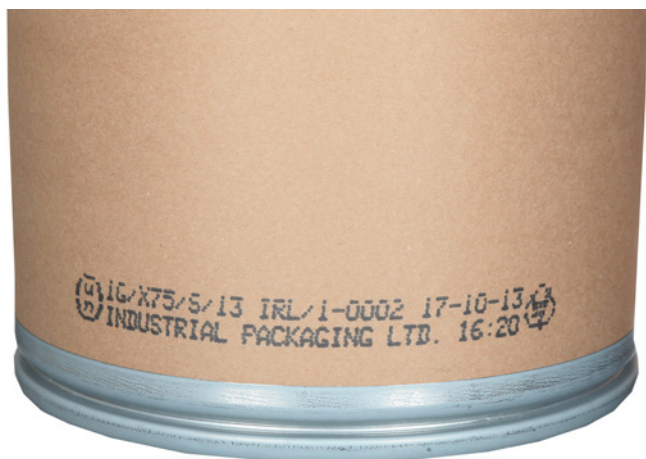
It is meant for information purposes only. In all cases the choice of a package type for a given specific substance should be made by a certified Dangerous Goods Safety Advisor (DGSA) or a competent person with reference to the ADR. It is the packer / shipper's responsibility to ensure that all relevant ADR conditions are satisfied.

**Industrial Packaging Ltd can provide a qualified DGSA** for a packaging consultation, to outline the container options available for any given substance.

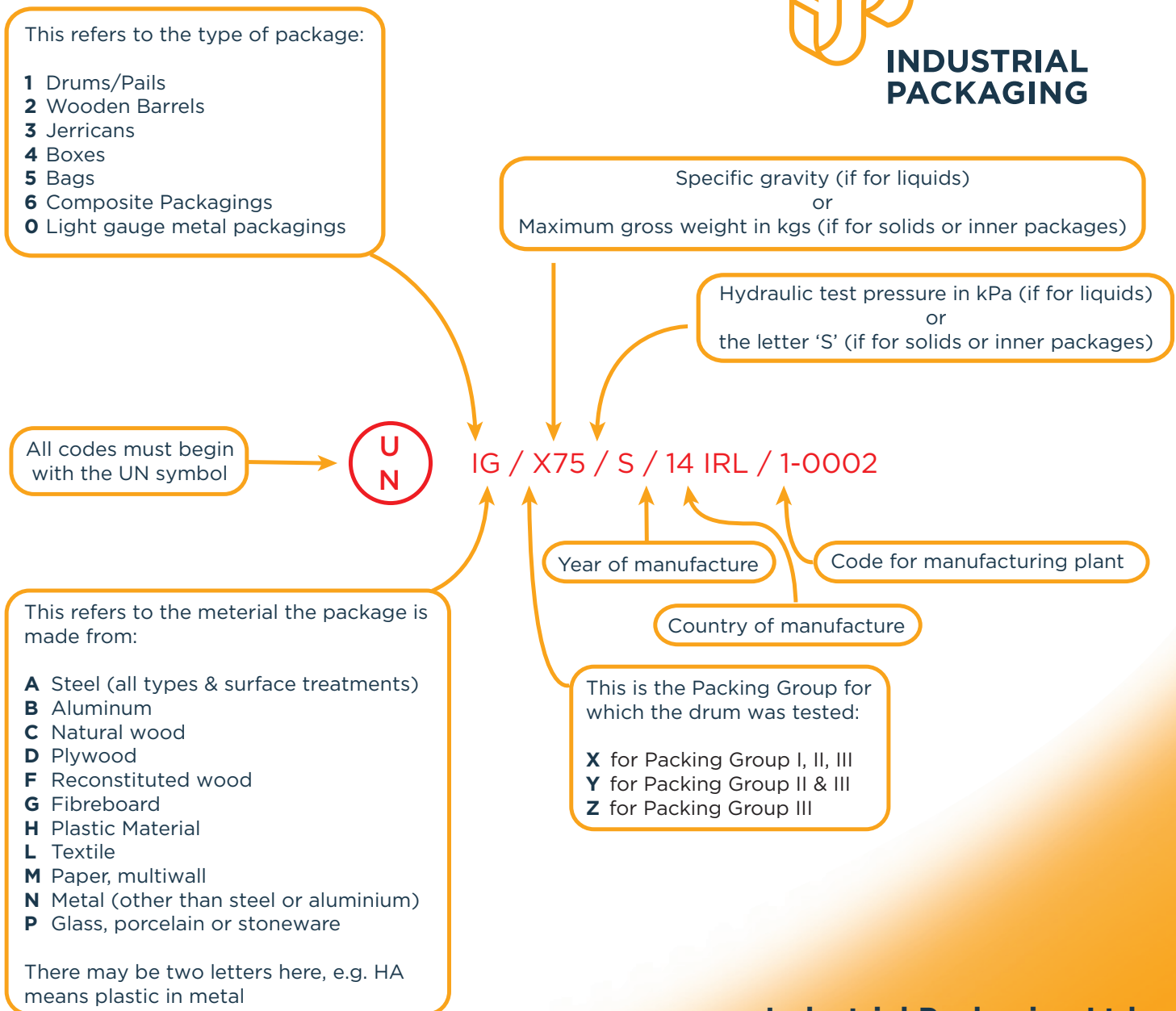
### Interpretation of UN Marking System

To facilitate international trade and the transport of dangerous goods worldwide the United Nations Committee of Experts in Geneva drew up a set of rules, governing the standard and type of packaging which can be used for the transport of dangerous goods.

All dangerous goods that are regulated under the various transport regulations must be contained in UN approved packages for transport. These packages must undergo specific type testing before they can be certified by a competent authority as UN approved. The approval marking is then printed, labeled or embossed on the package as in the diagram shown on the right.



The example below shows the approval marking for a fibre drum, approved to carry packing group (PG) I, II or III solids with a maximum gross mass not exceeding 100KG. It was manufactured in Ireland in 2014. Using the legend it is possible to decode the markings on all UN packages. More examples are given throughout this guide.



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