

PACKAGING AND LABELLING OF HAZARDOUS WASTE

This guide has been produced to provide you with an overview of the basic steps to be taken when preparing waste for movement off your site.



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This booklet has been designed with you our customer in mind. Its aim is to simplify the process of deciding which type of container the hazardous waste must be placed in before it can be legally moved off your site to our facility.

There are a number of special categories of hazardous waste, which because of their hazardous properties will require additional measures to be applied to them when preparing them for shipment. Such categories are identified in the section titled 'high risk waste categories'. Please contact your Rilta Environmental representative for additional information.

There is a variety of legislation currently in force relating to hazardous waste disposal. Ensuring that the correct type of container is used for each class of hazardous waste is an important first step.

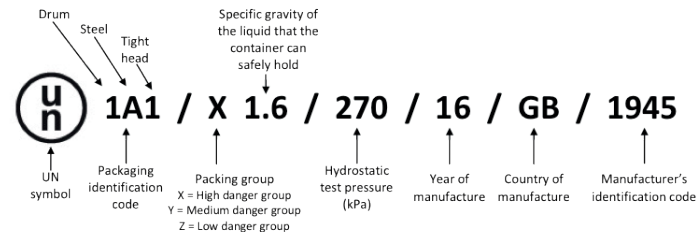
We have a specialist team ready and waiting to answer any question you may have in relation to how your hazardous waste must be packed. If in doubt, contact the Rilta compliance team.

1. All packaging to be UN-approved (no crates or tanks).
2. All packaging to be appropriately labelled in accordance with ADR regulations.
3. Bungs, caps and clamps to be tightly closed and 'O' rings/seals in place.
4. No taps to be left on IBCs or drums. Containers must not be modified.
5. All containers to be on a pallet or have an in-built pallet.
6. FIBC bags are for solids only (no sludge or liquid or containers of liquid).
7. Pallet boxes are for solids only. They have a weight restriction of 300kg.
8. No product should be visible on the outside of the container.
9. No rust or significant dents on metal containers.
10. Nominally empty containers must be drip-dry (i.e. containing less than 1% residue).

UN PACKAGING CODES

Where reference is made in this document to 'UN-approved' packaging, this means that it is packaging that is certified under a United Nations (UN) approved scheme. Each container is given a code which describes along with other things, what the container is and what type of material it can hold. An example of the coding system for containers designed to hold a hazardous liquid is given below. A similar coding system applies for containers designed to hold hazardous solids.

PACKAGING CODE FOR LIQUID HAZARDOUS MATERIAL



CHEMICAL CLASSES

- When you are preparing chemicals for disposal, use the general rule of **KEEP LIKE WITH LIKE**.
- In short, this means do not mix or pack together chemicals which are of different chemical hazard classes (see below) or which are incompatible. This is because chemicals of different classes can react dangerously with each other (e.g. could cause fire).

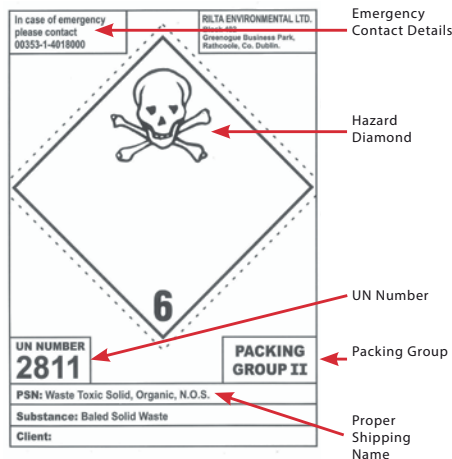


- In general, you can find out what the chemical class is from the safety data sheet (SDS) for the chemical.

If you are unsure of what chemical class you are working with, please contact us for assistance BEFORE you begin packaging the waste.

LABELLING

- Ensure that every container is labelled so as to correctly identify the contents. Remove or make illegible any other labels on the container. Only the Rilta Environmental hazardous waste label should be legible.
- Labels must be in compliance with ADR Regulations (road transport for hazardous materials).
- The proper shipping name (PSN) must form part of the container label.
- Place the label onto the side of the container (not on the lid and not onto the shrink wrap).
- Families or generic groups of chemicals are included under N.O.S. (not otherwise specified) entries. These must be supplemented with a technical name.



LABELLING

- Contact Rilta Environmental for a supply of the labels for your hazardous waste containers. You will need to provide information to identify:
 - What the waste material/liquid/sludge is (i.e. photographic waste, pesticides, oily rags, paint, etc.) and the process it originates from.
 - What the specific hazards associated with it are.
 - What the container type and size is.
 - What the quantity/volume is.
 - Where there is a doubt as to the concentration levels, chemical analysis may also be required.
- Where you supply your own ADR labels, please ensure that they are in full compliance.



- Sizes:
 - 1,200mm x 1,000mm is the preferred size
 - It is the only size suitable for pallet boxes.
 - 1,200mm x 1,200mm is permitted for pallets that will hold drums.
- Pallets must be in a condition suitable for transport.
- No crates.



SHRINK WRAP

- The containers must be secured with shrink wrap and/or banded.
- Tie and anchor the shrink wrap to one corner of the pallet when starting to wrap.
- Ensure that the entire container is covered.



Tight Head Drum – PLASTIC

- Container must be UN-approved.
- Plastic containers must not be older than 4.5 years*.
- Leave at least 10cm free space (ullage) in container to allow for liquid expansion.
- Drums must not be modified in any way (e.g. valves or taps added).



IBC - PLASTIC

- Container must be UN-approved.
- Plastic containers must not be older than 4.5 years*.
- Max weight must not be greater than 1,200kg**.
- Leave at least 10cm free space (ullage) in container to allow for liquid expansion.
- Ensure tap and all caps are tightly closed and 'O' rings are in place.
- IBCs require labels on two opposite sides.
- Do not fill past the 1,000litre mark. Leave at least 10cm free space (ullage) in container to allow for liquid expansion.



For advice on small volumes, please contact your Rilta Environmental representative.

*For some grades of hydrofluoric and nitric acids the container must not be older than 1.5 years

**Be mindful of density, for example 1,000litre of sulphuric acid can weigh up to 1,800kg.



Tight Head Drum – METAL or PLASTIC

- Container must be UN-approved.
- Plastic containers must not be older than 4.5 years.
- Leave at least 10cm free space (ullage) in container to allow for liquid expansion.
- Ensure all bungs are tightly closed and 'O' rings are in place.
- Drums must not be modified in any way (e.g. valves or taps added).



Combination Drum – METAL

- Container must be UN-approved.
- Leave at least 10cm free space (ullage) in container to allow for liquid expansion.
- Ensure all clamps and caps are tightly closed.
- Drums must not be modified in any way (e.g. valves or taps added).



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Please note that weight or volume restrictions apply on toxic inorganic waste.



SOLIDS – CORROSIVE



Open Top Drum – PLASTIC

- Container must be UN-approved.
- Plastic containers must not be older than 4.5 years.
- Leave at least 10cm free space in container (to prevent overfilling).
- Ensure all clamps are tightly closed.
- Drums must not be modified in any way (e.g. valves or taps added).
- No liquid permitted in open top drums.



SOLIDS – FLAMMABLE



Open Top Drum – METAL or PLASTIC

- Container must be UN-approved.
- Plastic containers must not be older than 4.5 years.
- Leave at least 10cm free space in container (to prevent overfilling).
- Ensure all clamps are tightly closed.
- Drums must not be modified in any way (e.g. valves or taps added).
- No liquid permitted in open top drums.



Pallet Boxes – PLASTIC LINED

- Container must be UN-approved.
- **Dry solid material ONLY*.**
- Stack containers upright within the lined box.
- Liner must be in place.
- 300kg maximum weight limit.
- Pallet and box must be similar footprint.
- Pallet box requires labels on two opposite sides.



*Exemptions apply. Contact Rilta Environmental for further information.

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Please note that weight or volume restrictions apply to toxic inorganic waste.

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There are certain categories or classes of wastes which, because of their hazard level will require extra precautions to be applied to them.

These are Class 4.2 (spontaneously combustible chemicals), Class 4.3 (water reactive chemicals), Class 5.1 (oxidizer), Class 5.2 (organic peroxide chemicals), Class 7 (radioactive materials) and Class 2 (Gases).

If you have this type of waste to dispose of, please contact Rilta Environmental and we will provide you with the expertise to safely manage these chemicals for disposal.



ADR COMPLIANCE FORM



The ADR compliance form is used to ensure that the hazardous waste is packed in accordance with this guidance document. There is a customer check section and a driver check section. The customer must complete the relevant sections of the document and return it to their Rilta Environmental contact. The driver will then complete the driver section on the day of the collection. The document will then form part of the hazardous waste transport pack.

Please note that if the conditions of this guidance document and the ADR Compliance Form are not met, the driver has been instructed to reject the shipment or part of it. This will depend upon the status of the compliance issue.

Where you are unsure about anything relating to the packaging of the hazardous waste or its transport, please ask your Rilta Environmental contact for assistance.



ADR COMPLIANCE FORM

DRIVER REMEMBER IF IT IS NOT FULLY COMPLIANT NEVER ACCEPT CUSTODY OF THE WASTE

CUSTOMER DETAILS		JOB SUMMARY		WTF No.:	
NAME:					
ADDRESS:					
SPECIFIC LOCATION:					
CONTACT NO.:					
		IS RE-PACKING REQUIRED?			
		Yes <input type="checkbox"/> No <input type="checkbox"/>			
<p>DRIVER, PLEASE ENSURE THAT YOUR VEHICLE IS IN FULL COMPLIANCE WITH ADR REQUIREMENTS</p>					
<p>CUSTOMER (C) AND DRIVER (Δ) PLEASE CHECK FOR THE FOLLOWING AND CONFIRM IN PLACE</p>		<p>PPE REQUIRED</p>			
<p>DRUMS FOR ALL WASTE DRUMS</p>		<p>IBCs/ASPs</p>		<p>FIBCS</p>	
<p>LABELLED WITH PSN AND SUBSTANCE?</p>		<p>LABELLED WITH PSN AND SUBSTANCE?</p>		<p>LABELLED WITH PSN AND SUBSTANCE?</p>	
<p>OLD LABELS BLANKED?</p>		<p>LABELLED ON OPPOSITE SIDES?</p>		<p>LABELLED ON OPPOSITE SIDES?</p>	
<p>UN-APPROVED?</p>		<p>OLD LABELS BLANKED?</p>		<p>OLD LABELS BLANKED?</p>	
<p>UN MARKINGS VISIBLE?</p>		<p>NOT OVERFILLED?</p>		<p>CORRECT SIZED PALLET (PALLET MATCHES BOX SIZE)</p>	
<p>IN DATE**?</p>		<p>UN-APPROVED?</p>		<p>CONTENTS STACKED UPRIGHT?</p>	
<p>BUNGS/CLAMPS TIGHTLY CLOSED?</p>		<p>UN MARKINGS VISIBLE?</p>		<p>SOLIDS ONLY?</p>	
<p>T-BARS IN PLACE?</p>		<p>IN DATE**?</p>		<p>UN-APPROVED?</p>	
<p>PALLET SIZE 1.2M X 1.2M or 1.2M X 1.0M</p>		<p>VALVE CLOSED?</p>		<p>3m³ ONLY (<1,000KG)</p>	
<p>EXTERNALLY CLEAN?</p>		<p>EXTERNALLY CLEAN?</p>		<p>PALLET SIZE 1.2M X 1.2M or 1.2M X 1.0M</p>	
<p>EXTERNALLY CLEAN?</p>		<p>STACK WEIGHT NOT EXCEEDED?</p>		<p>FREE FROM SHARPS? EXTERNALLY CLEAN?</p>	
<p>FOR LIQUID WASTE</p>		<p>ADDITIONAL FOR ASPs</p>		<p>FOR CORROSIVE WASTE</p>	
<p>TIGHT HEAD OR COMBI DRUM ONLY</p>		<p>SOLIDS/ARTICLES ONLY IN ASP</p>		<p>IS PLASTIC DRUM IN DATE**?</p>	
<p>IS PLASTIC DRUM IN DATE**?</p>		<p>CONFIRM NO LIQUIDS OR SLUDGES</p>		<p>CONFIRM NO LIQUIDS OR SLUDGES</p>	
<p>DRIVER CONFIRM</p>		<p>DRIVER CONFIRM</p>		<p>DRIVER CONFIRM</p>	
<p>PLEASE NOTE THAT IF THE ABOVE CONDITIONS ARE NOT MET THE SHIPMENT OR PART OF IT MUST BE REJECTED</p>					
<p>Driver Signature:</p>		<p>_____</p>			
<p>Date:</p>		<p>____/____/____</p>			
<p>Customer Signature:</p>		<p>_____</p>			
<p>Date:</p>		<p>____/____/____</p>			

*Plastic drums/IBCs must not be older than 4.5 years (1.5 years for certain hydrofluoric acid containers)
 ** Reject if not in date. Re-packing may be required, contact Rilta Environmental Brokerage Department.



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