

# H&S AND TRANSPORT

of dangerous, hazardous  
goods incl offensive weapons

**EVRI**

November 2025



# Hazardous or dangerous goods?

## Introduction

**Hazardous substances** are classified based only on **people health effects**.

- Every hazardous item controlled by **Control of Substances Hazardous to Health** regulation are classified based on people ill health i.e. bleach, screen wash, dish wash tablets.
- Legally they will always have a **Material Safety Data Sheet** (free of charge via origin), on how to handle store, ship, dispose
- The product will display 1 of 9 symbols to visually inform of the risk presented.

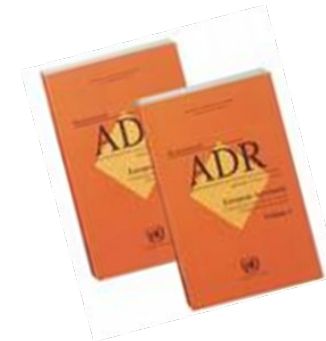


# Hazardous or dangerous goods?

## Introduction

### Dangerous Goods (as slide 1) plus :

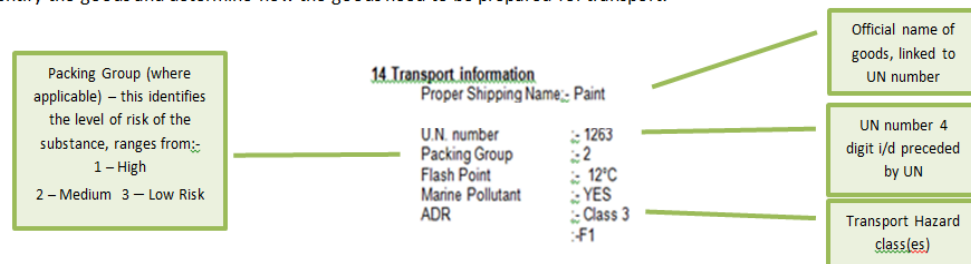
- Classified according to their physical or chemical effects, such as fire, explosion, corrosion and poisoning, **affecting property, the environment or people**
- Any substances will have an allocated UN number, listed in the ADR regulations
- The MSDS is key identifying additional DG information – see below.



### How to reference classification and identification using Safety Data Sheet (SDS)

A Safety Data Sheet (SDS) identifies any health safety & environmental risks associated with the use of a substance or article.

**Section 14** of the SDS references the classification for **Transport**. This section provides all of the information you will need to identify the goods and determine how the goods need to be prepared for transport:



- ADR is the European agreement concerning the international carriage of Dangerous Goods by road.
- Doesn't have to be Explosives or Radio-actives – these are all DG regulated by ADR.

# 9 classes, 3 packing groups, 4 transport categories

HAZARD CLASSES
1 - EXPLOSIVES
2 - GASES
3 - FLAMMABLE LIQUIDS
4 - OTHER FLAMMABLE SUBSTANCES
5 - OXIDISING / ORGANIC PEROXIDES
6 - TOXIC / INFECTIOUS SUBSTANCES
7 - RADIOACTIVES
8 - CORROSIVES
9 - MISCELLANEOUS

**UN NUMBER** immediately identifiable by a unique 4 digit number **i.e UN1950**

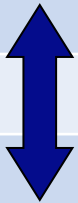
**CLASS** This is allocated to a substance based on The primary hazard.  
e.g. what will it do, catch fire, explode, corrode, poison

**PACK GROUP** Identifies the level of risk associated with a substance,  
e.g. how volatile a substance is or for flammable Substances how quickly will it ignite!

## Easy Recognition



PACKING GROUP
1 = High *
2 = Medium
3 = Low



TRANSPORT GROUP
0 = Most Hazardous *
1
2
3
4 = Least hazardous



# LQ limited quantity – Common denominators

## Size

- UN numbers cant exceed product maximum set by ADR.
- The total gross weight of the finished package, including internal packaging and any other item inside **must not exceed 30kg / 30L**
- Where shrink wrapped trays are used, the maximum gross weight is reduced to 20kgs / 20L

## Packaging

- The product must be contained in suitable packaging
- Fill voids, prevent movement and provide any additional protection needed.
- An outer package of good quality, conforming to the relevant section of ADR part 4.

The finished package must be of sufficient strength and capacity to safely protect the contents from the conditions of transport

Evidenced by stacking tests and 1.2m drop tests at origin

## Marking:

- Limited Quantity LQ decal **MUST** be displayed on the outer packing (decal must be 100mm x 100mm – where packaging allows)
- Min 50mm x 50mm



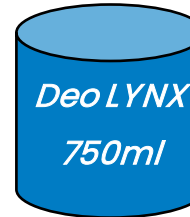
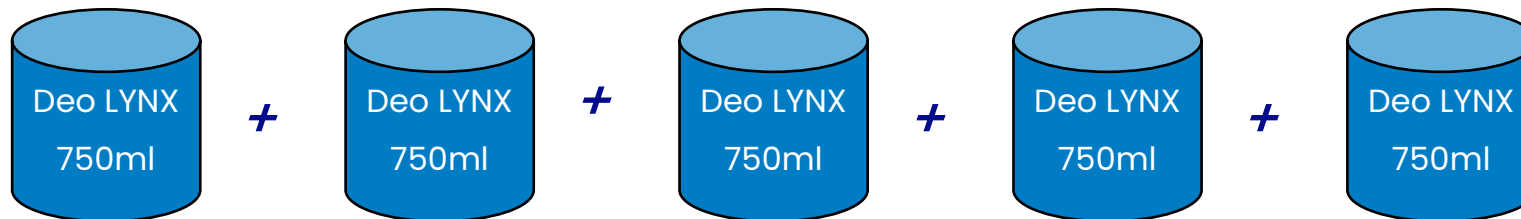
# Example of LQ supplier information

## Volumes, Packaging & Markings

### UN 1950 Aerosol


Limited quantity allowance for standard UN1950 = 1ltrs max per item

MUST BE PACKAGED and the Maximum gross mass per box is 30kgs/L (20kgs/L for a shrink-wrapped tray) THEREFORE:



EMERGENCY GUIDE NUMBER:

ID8000 Consumer  
UN1950 Aerosol =

Aerosols
2.1
UN1950
None

Limited Quantity

Max unit size **OK** | Overall weight **OK** | Packaging **OK** | Decal **OK**

Unmarked or incorrectly marked packages found to contain Dangerous Goods are against EVRi policy and must not be sent through our network.



# Bulk liquid – Hazardous/DG >1L

1. In accordance to maximum piece, maximum parcel parameters for declared UN number

## 2. Packaged in a way to ensure it can't be punctured, break or leak

- Any liquid product >1L in volume will require additional controls to mitigate spillage in transit, sortation risk, other client freight (incl. food contamination) & those handling.
- 1 x 5L (absolute maximum per parcel) only where 100% assurance of zero spillage as below
  - Cardboard packaging – overall standard/ packaging range/ classification number
  - **Mandatory product protection measures** against spillage in transit
    - Internal bagging, by who, how sealed, how is this QA checked?
    - Cap/Lid clip/seal, by who, how is this QA checked?
    - How is movement restricted if multi-item orders?
  - Picture/ video evidence required of a 6ft drop test with any damage results
  - Do you have a SOP for packaging the liquid goods you can share
  - What QC measures are in place to ensure consistency with every shipment
- Potential for EVRI drop testing as a part of final agreement to proceed.

**Prohibited** even where these standard are met

New Paint >@1L

Same Motor Engine Oil

Elsan Blue >@1L

# ADR LQ – Even with approval

1. In accordance to maximum piece, maximum parcel parameters for declared UN number
2. **Packaged in a way to ensure it can't be punctured, break or leak**
3. Whilst LQ does gain an exemption from the packaging being certificated to UN standards, it still needs to be able to withstand the forces applied during delivery, so robust, 2-ply fibreboard boxes with intermediate packaging to fill any voids and prevent the inner receptacles from moving around inside the box, (no jiffy) are an EVRi LQ basic



Liquid Mandatory  
Lid clips, taping  
Bag & sealing  
Internal packaging  
Exit & QA routines

4. **This is UK roads only**, any sea crossing i.e. IOW, IOM, Northern Ireland is subject to more rigorous LQ regulation via the Maritime (sea) version of ADR **not covered by EVRi ADR arrangements.**

# Even with approval

1. Evri is ADRLQ network only with no capacity for fully regulated Dangerous Goods
2. **Labelling must follow**



Parcel showing LQ & Fully regulated will be returned to sender.

Image show Corrosive 8 & LQ  
**It cant be both**

3. **Parcel compliance check** (packaging, labelling).
4. Any content giveaway's will lead to delivery suspension option.
5. Final action being either for origin to collect or EVRI disposal at origin's cost.

# Lithium batteries – headlines

The whole Lithium range (metal) (ion) **(within, alongside equipment)** are **classified Dangerous Goods (DG)** for Road Transport (ADR), Sea & Air & Class 9 – Miscellaneous DG

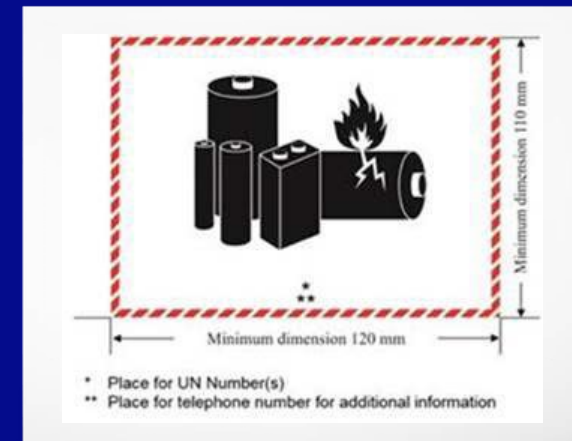
May be handled by EVRI assuming certain packaging & marking demands are met meeting **Special Provisions (SP) 188**.

- Evri can consider Lithium **when within or alongside equipment**, as long as
- Lithium content volume maximum limitations @ 1g for lithium metal, lithium alloy cell & **no more than 20 watt hour for lithium ion cell**.
- Lithium content volume maximum limitations @ 2g for lithium metal, lithium alloy battery & **no more than 100 watt hour for lithium ion batteries**.
- **If below WH rates client** needs to confirm also & **evidence**
- Manufacturer test obligation
- Inner packaging controls, i.e. to completely enclose to avoid contact with conductive material or short circuit activation (if in equipment)
- Rigid outer packing, 1.2m drop test
- All lithium traffic meeting the provisions of SP 188 require a new lithium battery mark, see below.

**EVRI**

EVRI UK continues to protect its people & all client freight & risk associated **with stand-alone** Lithium batterie & power packs.

UN3090 metal, UN3480 ion **classification are prohibited in EVRI**.



# Offensive weapons act – Carrier obligation

## Definition

Offensive Weapons Act 2019 introduced "logistic" requirements to restrict access to dangerous weapons, by making it illegal for individuals under 18 to purchase them online.

## Evri Contract Standards

*The Client warrants that the goods contained in any Parcel shall not contain 4.9.1 any product with a blade which is capable of causing a serious injury to a person which involves the cutting of that person's skin*

## What is an Offensive weapon?

Bladed articles incl. kitchen, garden, camping, commemorative and corrosive substances.



## Corrosive Substances

- Ammonium hydroxide (CAS RN 1336-21-6)
- Formic acid (CAS RN 64-18-6)
- Hydrochloric acid (CAS RN 7647-01-0)
- Hydrofluoric acid (CAS RN 7664-39-3)
- Nitric acid (CAS RN 7697-37-2)
- Phosphoric acid (CAS RN 7664-38-2)
- Sodium hydroxide (CAS RN 1310-73-2)
- Sodium hypochlorite (CAS RN 7681-52-9)
- Sulfuric acid (CAS RN 7664-93-9)



**Evri has not, and never has had a doorstep delivery product that complies with the Offensive Weapon Act**

