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		First edition: May 2015
		Last modified: January 2022
	TRANSPORT NOTES on CARBON DIOXIDE in non-refillable gas cylinders	ICO.SDS.001.en, Vers. 08

1. Land transport

ADR/RID

- | | | |
|-------------------------------|---|----------------|
| ▪ UN number | : | UN 1013 |
| ▪ Name and description | : | CARBON DIOXIDE |
| ▪ Class | : | 2 |
| ▪ Classification code | : | 2A |
| ▪ Special provisions | : | 584 |
- “This gas is not subject to the requirements of ADR when
- it contains not more than 0.5% air in the gaseous state;
 - it is contained in metal capsules (sodors, sparklets) free from defects which may impair their strength;
 - the leakproofness of the closure of the capsules is ensured;
 - a capsule contains not more than 25 g of this gas;
 - a capsule contains not more than 0.75 g of this gas per cm³ of capacity.”
- | | | |
|------------------------------|---|--------|
| ▪ Limited quantities | : | 120 ml |
| ▪ Excepted quantities | : | E1 |


optional for cylinders ≤50 ml:

- | | | |
|-------------------------------|---|--|
| ▪ UN number | : | UN 2037 |
| ▪ Name and description | : | RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable |
| ▪ Class | : | 2 |
| ▪ Classification code | : | 5A |
| ▪ Special provisions | : | 191 |
- „Receptacles, small, with a capacity not exceeding 50 ml, containing only non-toxic constituents are not subject to the requirements of ADR.“

2. Sea transport

GGVSee/IMO-IMDG code

- | | | |
|-------------------------------|---|----------------|
| ▪ UN number | : | UN 1013 |
| ▪ Proper shipping name | : | CARBON DIOXIDE |
| ▪ Class or division | : | 2.2 |
| ▪ Subsidiary risk(s) | : | - |
| ▪ Special provisions | : | - |
| ▪ Limited quantities | : | 120ml |
| ▪ Excepted quantities | : | E1 |

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optional for cylinders ≤50 ml:

- **UN number** : UN 2037
- **Proper shipping name** : RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES) without a release device, non-refillable
- **Class or division** : 2
- **Subsidiary risk(s)** : -
- **Special provisions** : 191
„Receptacles with a capacity not exceeding 50 mL containing only non-toxic constituents are not subject to the provisions of this (IMO-IMDG) Code.”

3. Air transport

IATA

- **UN or ID number** : UN 1013
- **Proper shipping name/ description** : Carbon dioxide
- **Class or division (subsidiary risk)** : 2.2
- **Excepted quantities** : E1
- **Limited quantities** : Forbidden

optional for cylinders ≤50 ml:

- **UN or ID number** : UN 2037
- **Proper shipping name/ description** : Receptacles, small, containing gas (non-flammable) without a release device, non-refillable
- **Class or division (subsidiary risk)** : 2.2
- **Special provisions** : A98
“Aerosols, gas cartridges and receptacles, small, containing gas with a capacity not exceeding 50 mL, containing no constituents subject to these Regulation other than a Division 2.2 gas, are not subject to these Regulations when carried as a cargo unless their release could cause extreme annoyance or discomfort to crew members so as to prevent the correct performance of duties.
The words “Not restricted” and the Special Provision number must be included in the description of the substance on the Air Waybill as required by 8.2.6, when an Air Waybill is issued.”

Please note – there may apply different provisions for the air-transport of non-refillable cylinders in the USA.

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