

Transport of EDLC (Electric Double Layer Capacitor)

1. UN Number	UN3499
2. Proper Shipping Name	Capacitor electric double layer (with an energy storage capacity greater than 0.3 Wh) <i>Note: Capacitors not exceeding 0.3Wh are not subject to DGR.</i>
3. Packing Instruction Number	PI 971
4. Applicable Special Provision Number	SP A186
5. Types of product	A stand-alone capacitor or Multiple capacitors connected electrically in a module There are two transport types of the product, a capacitor or a module itself or included in an equipment.
6. Note	Alike lithium cells and batteries, a capacitor is regarded as a cell and a module is regarded as a battery. <i>Lithium ion capacitor is not included in UN3499. (For EDLC, same material is used for both cathode and anode but for Lithium ion capacitor, different materials are used. Therefore, Lithium ion capacitor is classified as Asymmetric Capacitor, not as Capacitor, electric double layer.) There are two types of electrolyte included in capacitor. One is substances classified as dangerous goods such as Acetonitrile and the other is substances not classified as dangerous goods.</i>
7. Caution	1) <i>The limitation of energy storage capacity in terms of Wh in the regulation is subject to <u>each capacitor</u>. If capacitor(s) are included in a module, the limitation is still subject to each capacitor in the module, not to the total capacity of the module.</i> 2) ANA is not to be held responsible with the contents of this guidance paper. The latest IATA Dangerous Goods Regulations must be referred for any details.