

Domestic Alkaline and NiMH battery packing for transport

ADR Packing Instruction n/a – Non-ADR

What are Alkaline Batteries

Alkaline batteries are a type of primary battery dependent upon the reaction between zinc metal and manganese dioxide.

Another type of alkaline batteries is a secondary rechargeable alkaline battery, which allows reuse of specially designed cells.

Known as conventional dry cell or alkaline batteries which are used in the household

What are NiMH Batteries

Nickel Metal Hydride Batteries are type of Battery is a type of rechargeable battery. The chemical reaction at the positive electrode is similar to that of the nickel-cadmium cell (NiCd)

NiMH Batteries are no subject to ADR. Although they are classified and Dangerous for Transport under IMDG and IATA.

If NiMH are to be transported by sea or air seek specific instructions from the Technical Department.

Segregation of Batteries

Mixed Batteries

On site, chemist to separate all the different types of batteries between UN approved, sealable containers and to follow the packing instruction for that battery type. This includes separation between Alkaline and NiMH batteries

Damaged/Faulty Batteries

It is important that enough cushioning material (vermiculite) is used. Place vermiculite in both the inner packaging and the outer packaging. Put damaged batteries individually in a sealed, plastic bag.

How to pack Dry cell/alkaline/NiMH batteries:

Pack into Plastic, plywood or fibreboard drums. Max net mass 400kg

If the above are not available, steel or aluminium drums may be used, however they will be lined with a non-conductive lining material. Max net mass 400kg

Batteries should be packed to prevent short circuit. This can be done on the customer site by:

- The use of non-combustible and non-conductive cushioning material to fill void space between the batteries in the outer packaging to prevent excessive movement. This can be done by filling the void space with vermiculite.

If you are unsure on Packing Requirements, please contact one of the companies DGSA's for further guidance.

Title	Domestic Alkaline battery packing for transport	Revision	V1.0
Document Reference	QMSO006g	Date Revised	25.01.2019
Responsible Person	Hayley Hurdle	Status	Active



Issue and Revision Details

Rev. No	Date	Details of change	Auth.

Title	Domestic Alkaline battery packing for transport	Revision	V1.0
Document Reference	QMSC006g	Date Revised	25.01.2019
Responsible Person	Hayley Hurdle	Status	Active