

Transport of Vehicles by Sea

Vehicles with an internal combustion engine fall within the scope of the IMDG Code and must be transported as dangerous goods. A dangerous goods declaration and document will be required. However, vehicles meeting the exceptions in Special Provision 961 are not otherwise subject to the IMDG Code. Completion, by the shipper, of the declaration on page three of this fact sheet is recommended to verify compliance with Special Provision 961.

Vehicles with an internal combustion engine fuelled by petrol, diesel or flammable gas, including hybrid vehicles, must be declared as hazardous cargo under UN 3166:

VEHICLE, FLAMMABLE GAS POWERED or
VEHICLE, FLAMMABLE LIQUID POWERED or
VEHICLE, FUEL CELL, FLAMMABLE GAS POWERED or
VEHICLE, FUEL CELL, FLAMMABLE LIQUID POWERED.

Examples of such vehicles include, but are not limited to, cars, motor bikes and boats, scooters.

Vehicles powered solely by batteries, including wet batteries, sodium batteries or lithium batteries, must be transported as as UN 3171:

BATTERY POWERED VEHICLE or
BATTERY POWERED EQUIPMENT

Examples of such vehicles include, but are not limited to, electrically-powered cars, bikes, scooters, lawnmowers, wheelchairs and other mobility aids.

Special Provision 363 - Other Engines and Machinery

Engines, or machinery that are not vehicles but contain engines will be transported under the most applicable entry below (The word "MACHINERY" should be substituted for the words "ENGINE" where applicable):

ENGINE, FUEL CELL, FLAMMABLE GAS POWERED (UN 3529) or
ENGINE, FUEL CELL, FLAMMABLE LIQUID POWERED (UN 3528) or
ENGINE, INTERNAL COMBUSTION (UN 3530) or
ENGINE, INTERNAL COMBUSTION, FLAMMABLE GAS POWERED (UN 3529) or
ENGINE, INTERNAL COMBUSTION, FLAMMABLE LIQUID POWERED (UN 3528)

Special Provision 388 – Other DG in Vehicles

Dangerous goods, such as batteries, airbags, fire extinguishers, compressed gas accumulators, safety devices and other integral components of the vehicle that are necessary for the operation of the vehicle or the safety of its operator or passengers, shall be securely installed in the vehicle and are not otherwise subject to the IMDG Code.

Special Provision 961

Vehicles and equipment are **not subject to the provisions of the IMDG code** if they comply with Special Provision 961, i.e. any of the following conditions are met:

- .1 They are not loaded in a CTU and are stowed on a ro-ro vessel; or
- .2 For vehicles powered by diesel fuel, there are no leaks in any portion of the fuel system, the tank contains no more than 450 L of fuel; and
 - Installed batteries are secured in an upright direction and protected from short circuit;
- .3 For vehicles or equipment powered by a flammable liquid fuel (i.e. petrol):
 - The fuel tank(s) is empty (i.e. the vehicle cannot be operated due to lack of fuel); and
 - Installed batteries are secured in an upright direction and protected from short circuit
- .4 For vehicles or equipment powered by a flammable gas:
 - The fuel tank(s) is emptied of liquefied or compressed gas and the positive pressure in the tank does not exceed 2 bar;
 - The fuel shut-off or isolation valve is closed and secured; and
 - Installed batteries are secured and protected from short circuit
- .5 For vehicles solely powered by wet or dry electric storage batteries, or sodium batteries, that batteries are undamaged and protected from short circuit and accidental activation.

Special Provision 962

Vehicles **not meeting Special Provision 961 must be declared as dangerous goods** and shall meet the following requirements:

- .1 Vehicles must not show signs of leakage
- .2 For flammable liquids powered vehicles (i.e. petrol) the fuel tank must be no more than 1/4 full
- .3 For Flammable gas-powered vehicles, the shut off valve of the fuel tanks must be securely closed
- .4 Installed batteries must be secured in an upright direction, and be protected from damage, short circuit and accidental activation during transport. Where lithium batteries are installed in a vehicle, they must not be damaged or defective. Damaged or defective batteries must be removed and transported in accordance with SP 376.

Non-hazardous vehicle Declaration

Date:

Vehicle Registration:

The undersigned hereby declares that:

The vehicle offered for shipment complies the the requirements of the IMDG code
Special Provision 961

- .1 For vehicles powered by diesel fuel, there are no leaks in any portion of the fuel system, the tank contains no more than 450 L of fuel; and
 - Installed batteries are secured in an upright direction and protected from short circuit; or
- .2 For vehicles or equipment powered by a flammable liquid fuel (i.e. petrol):
 - The fuel tank(s) is empty (i.e. the vehicle cannot be operated due to lack of fuel); and
 - Installed batteries are secured in an upright direction and protected from short circuit; or
- .3 For vehicles or equipment powered by a flammable gas:
 - The fuel tank(s) is emptied of liquefied or compressed gas and the positive pressure in the tank does not exceed 2 bar;
 - The fuel shut-off or isolation valve is closed and secured; and;
 - Installed batteries are secured and protected from short circuit; and
- .4 For vehicles solely powered by wet or dry electric storage batteries (including lithium), or sodium batteries, that batteries are undamaged and protected from short circuit and accidental activation.

And

No undeclared dangerous goods are secured to, or stowed in, the vehicle.

Place:

Date:

Name of signatory:

Signature: