

◆ Accessories

Many accessories may be classified as or contain regulated hazardous materials including, but not limited to:

- flares
- fire extinguishers
- tire inflators
- nitrous oxide (nitro) boosters
- first aid kits



◆ Flares

Flares are typically flammable solids or explosive devices that deflagrate and are generally described as:

- NA1325, FUSEE, 4.1, II



The proper shipping name, FUSEE, is only appropriate for trade between the United States and Canada. This article must be reclassified for transport by air or vessel under the provisions of the IATA DGR or the IMDG Code, respectively.



◆ **Fire Extinguishers**

Fire extinguishers are pressurized cylinders typically charged with nitrogen, carbon dioxide or hydrofluorocarbons (e.g., Halon™ 13B1) or hydrochlorofluorocarbons (e.g., Refrigerant R115).

These articles are typically described as:

- UN1044, FIRE EXTINGUISHERS, 2.2

Certain fire extinguishers, packed in strong outer packagings, need only be marked “FIRE EXTINGUISHERS” and “UN1044” for surface transport, but require labels for air and ocean transport.



Fire extinguishers are generally DOT or TC specification cylinders. However, non-specification cylinders may be used if the cylinder has a static charge pressure of no more than 241 psig (1600 kPa) and they conform to the provisions of 49 CFR § 173.309(a)(3). Additionally, the fire extinguishers must be marked “MEETS DOT REQUIREMENTS.”

Fire extinguishers must be declared for transportation for all modes of transport.

◆ **Tire Inflators**

Tire inflators may be pressurized cylinder or aerosol cans and are typically charged with a non-flammable compressed gas, although a number of aerosol tire inflators are known to be charged with flammable propellants.

Tire inflators are typically described as:

- UN1013, CARBON DIOXIDE, 2.2
- UN1950, AEROSOLS, 2.2
- UN1950, AEROSOLS, 2.1



Aerosol tire inflators will typically be packaged in DOT 2P or 2Q cylinders and may be renamed Consumer Commodity and reclassified ORM-D for surface transport.

High-pressure tire inflators are typically charged with carbon dioxide under very high pressure (e.g., 1800 psi).

They will be classified, marked and labeled, and described as per the requirements for the gas contained within the device.

These high-pressure tire inflators are typically DOT specification 3A, 3AA, 3AX or 3AAX seamless steel cylinders. Many are manufactured under the terms of a DOT Exemption, which must be noted on the hazardous materials shipping paper.

◆ **Nitrous Boosters**



Nitro boosters are high pressure DOT or TC specification cylinders charged with nitrous oxide, a non-flammable and oxidizing compressed gas, which provides additional oxygen to support combustion and increase engine horsepower.

Nitrous oxide must be packaged in DOT-3, DOT-3E1800, DOT-3T1800, DOT-3HT2000, DOT-39 or DOT-3AL1800 cylinders and is described as:

UN1070, NITROUS OXIDE, 2.2 (5.1)

◆ **First Aid Kits**

Many vehicles now offer optional first aid kits which may contain one or more hazardous materials, such as:

- antiseptic sprays
- alcohol cleansing pads
- antiseptic cleansing wipes

In most cases, first aid kits which contain only alcohol cleansing pads or antiseptic cleansing wipes in small foil packets may be described as:



UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (ethanol), 4.1, II, or
UN3175, SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. (isopropanol), 4.1, II

First aid kits are not subject to the Hazardous Materials Regulations, per 49 CFR § 172.102, Special Provision 47, provided:

- the sealed packets contain less than 10 ml of a Class 3 flammable liquid in Packing Group II or III, absorbed onto a solid material
- there is no free liquid in the packet