

## **A Trend of Regulations of Explosives and Combustibles in Japan**

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So-called dangerous items (explosives, combustibles, poisons and deleterious substances) are regulated in foreign countries. Laws which regulate such, these dangerous items exist also in Japan. Strict regulations are applied especially when dangerous items are stored in a freight train or a vehicle. This is because when dangerous items are mounted on mobile materials, there is a possibility that they are circulated internationally and it is predicted that critical damage occurs at the time of an accident. Recently compressed hydrogen gas for fuel which is all the more dangerous due to the combination of two kinds of dangerous factors (combustibility and high pressure) has started to be mounted on a car, which is regulated by the laws concerned. This is because a fuel cell powered vehicle has been marketed for the purpose of global environmental impact reduction. The trend of Japanese regulations regarding dangerous items to be mounted mainly on a car or a railway vehicle is investigated, and their safety is explained by this review.