

IMPACT OF DANGEROUS GOODS TRANSPORTATION ON THE ENVIRONMENT

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In recent years there have been a large number of technological emergencies around the world.

World practice shows that accidents involving dangerous goods are distributed as follows: 56 % in road transport, 32 % in water transport, 5 % in railways and 1 % in air transport.

Dangerous goods are goods that, as a result of a transport accident, will cause harm to human health or life and/or the environment.

Transportation of dangerous goods is accompanied by high additional risks as they can cause explosion, fire, death and injury to people, as well as can cause material damage and harm to the environment. The most important issue when organising the transportation of dangerous goods is to ensure its safety and security in an appropriate way that corresponds to the demands and stated procedure.

Accidents that might occur when transporting dangerous goods can lead to great environmental pollution and sanitary hazards in areas. The consequences of environmental pollution accidents are difficult to determine reliably. In order to prevent possible damage from road transport of dangerous goods, a number of practical tasks need to be solved: transport process; transport regulation; transport management; accident management. All the tasks mentioned must be solved in close cooperation with authorized representatives.

ADR (carriage of dangerous goods by road) is an international agreement adopted in Europe, namely in Geneva, more than 50 years ago. Its purpose is to establish rules that define the requirements for the carriage of dangerous goods through the territory of European countries using special road transport. The rules contained in this document, although they significantly complicate the transportation, since many additional actions need to be taken, protect the infrastructure, the environment and people.