

## عنوان مقاله:

Research on Safety Risk of Dangerous Chemicals Road Transportation Based on Dynamic Fault Tree and Bayesian Network Hybrid Method

## محل انتشار:

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## خلاصه مقاله:

Hazardous chemicals occur widely in the production and living facilities. During the transport process of hazardous chemicals, once an accident occurs, major casualties and property damage will follow and the surrounding environment will experience serious damage. Therefore, the research for safety risk of road transportation of dangerous chemicals is quite necessary. The safety risk study on road transportation of hazardous chemicals is a reliable basis for the government to formulate transportation planning and preparing emergent schemes, but also is an important reference for safety risk managers to carry out dangerous chemicals safety risk management. In order to study the reliability of the whole road transport system and take into account the dynamic changes of the safety risk, based on the analysis of the transport safety risk of dangerous chemicals at home and abroad, this paper studied four main factors influencing the safety risk of road transportation, and presents the dynamic fault tree and Bayesian network hybrid method to identify and evaluate the dynamic safety risk of the road transportation of dangerous chemicals. Finally, the feasibility of the model is verified by the case study of road transportation of liquefied natural gas in a real enterprise

## کلمات کلیدی:

Safety, Risk, Reliability, Dangerous Chemicals, Road, Transportation

## لینک ثابت مقاله در پایگاه سیویلیکا:

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