

## **Abstract**

The bachelor thesis is based on Act No. 224/2015 Coll., on prevention of major accidents caused by selected hazardous chemical substances or chemical mixtures.

The bachelor thesis deals with the preparedness determination of Sokolovská uhelná, legal successor, joint-stock company - Processing Division, for emergencies caused by ammonia leakage during filling of railway tanks.

The methods of analysis, results and recommended measures are described further below. Results of the analyzes will propose the measures to mitigate the probability of the occurrence of ammonia leakage risks when filling railway tanks.