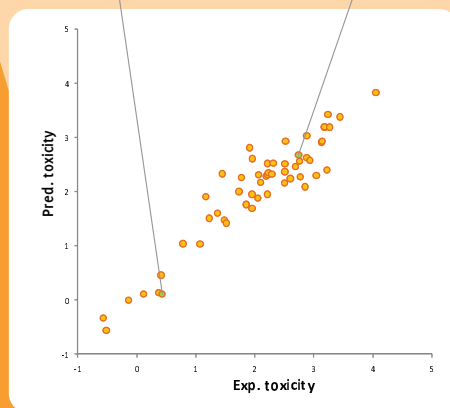
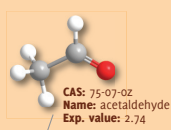
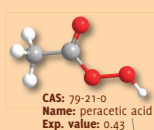


QSAR Model

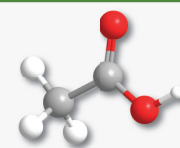
Endpoint: Acute inhalation toxicity LC₅₀

OECD 403
Species: rat

Model selection
Prediction estimation
Quality control
Preliminary results



Substance



Read across
Similarity search
Interpretation
Predicted value

Classification

The predicted value evaluates as "moderately toxic". Following the acute toxicity hazard categories and acute toxicity estimates (ATE) defining the respective categories according to Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).

Exposure route	Category 1	Category 2	Category 3	Category 4
LC ₅₀ inhalation toxicity (mg/L)	ATE < 0.5	0.5 < ATE < 2.0	2.0 < ATE < 10	10 < ATE < 20

On the above scale, the predicted value of **5.33** mg/L for acetic acid falls into the 3rd category.



Fully documented REACH compliant QSAR reports - **QMRF** (QSAR Model Reporting Format) and **QPRF** (QSAR Prediction Reporting Format) with expert judgement



- ✓ Non-animal alternative method
- ✓ Quickly available
- ✓ In accordance with OECD criteria
- ✓ Approved by ECHA
- ✓ Based on JRC evaluated and published model reports
- ✓ Substance and endpoint specific result