

Sudarea și Încercarea Materialelor

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## Welding fume - Risk assessment and preventive measures (\*

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## Abstract

Welding fume generated during welding and allied processes can cause, if inhaled in high concentrations exceeding the statutory limit values, different effects on the different organs of the human body and thus induce diseases and health injuries.

In order to avoid these effects it is necessary to assess the possible existing risk at the workplace taking into account all existing parameters and to make sure by the use of adequate protective measures that the health risk is reduced to a minimum. A matrix for the evaluation of the exposure to welding fume was developed and is described in the following.

Protective measures used at the workplaces are mentioned.

## Keywords

Welding fumen, risk assessment, preventive measures, emission rate, emission class