

The work is dealing with problems of safety aspects of welding in conjunction with connected preventive provisions. The work seeks to outline complex problem particularly by integration of information from obtainable sources dealing with only alone part of the wide range topic. From technological point of view there are briefly described different welding processes with their summary of health hazards referring to welding. It contains provisions relation impeding health during welding activities as well. Further the work continues into the part dealing with influence the welding on the health of workers divided according to particular systems. The integrative part is finished by preventive provisions both from the medical point of view and organizational or technological provisions. The work next continues by assessment of occurrence the pneumoconiosis as the occupational disease at welders during eleven years on the basis of statistics of National Institute of Public Health. The last part of the work forms the questionnaire intended on evaluation of working environment by welders themselves. The objective of the work is complex breaking into merit of relation between hazard during welding and health and expresses his reflection by means statistical records about impeding health and assessment of questionnaire items aimed at welder's view.

Key words: welding, occupational safety, health, preventive provision, pneumoconiosis