

## List of Hazard Factors

### 1. Mechanical hazards

- 1.1 Unprotected moving machine parts
- 1.2 Parts with dangerous surfaces
- 1.3 Moving means of transport, moving work equipment
- 1.4 Uncontrolled moving parts
- 1.5 Falling, slipping, stumbling, spraining one's ankle
- 1.6 Falling from a height
- 1.7

### 2. Electrical hazards

- 2.1 Electric shock
- 2.2 Electric arc
- 2.3 Electrostatic charges
- 2.4

### 3. Hazardous substances

- 3.1 Skin contact with hazardous substances (solids, liquids, wet work)
- 3.2 Inhalation of hazardous substances (gases, vapours, mist, dusts incl. fumes)
- 3.2 Swallowing of hazardous substances
- 3.3 Physicochemical hazards (e.g. fire and explosion hazards, uncontrolled chemical reactions)
- 3.4

### 4. Biological agents

- 4.1 Infection hazards due to pathogenic microorganisms (e.g. bacteria, viruses, moulds)
- 4.2 Sensitising and toxic effects of microorganisms
- 4.3

### 5. Fire and explosion hazards

- 5.1 Combustible solids, liquids, gases
- 5.2 Explosive atmosphere
- 5.3 Explosive substances
- 5.4

### 6. Thermal hazards

- 6.1 Hot media/surfaces
- 6.2 Cold media/surfaces
- 6.3

## **7. Hazard due to special physical effects**

- 7.1 Noise
- 7.2 Ultrasonic, infrasonic
- 7.3 Whole-body vibrations
- 7.4 Hand-arm vibrations
- 7.5 Non-ionising radiation (e.g. infrared radiation (IR), ultraviolet radiation (UV), laser radiation)
- 7.6 Ionising radiation (e.g. X-rays, gamma rays, particle radiation (alpha, beta and neutron radiation))
- 7.7 Electromagnetic fields
- 7.8 Vacuum or gauge pressure
- 7.9

## **8. Hazards due to ambient working conditions**

- 8.1 Climate (e.g. heat, cold, inadequate ventilation)
- 8.2 Lighting, light
- 8.3 Suffocation (e.g. due to oxygen-reduced atmosphere), drowning
- 8.4 Inadequate escape and transport routes, inadequate safety and health protection labelling
- 8.5 Inadequate area of movement at the workplace, unfavourable arrangement of the workplace, inadequate break and sanitary rooms
- 8.6

## **9. Physical load / work intensity**

- 9.1 Heavy, dynamic work (e.g. manual handling of loads)
- 9.2 One-sided, dynamic work, body movement (e.g. frequently repeated movements)
- 9.3 Posture work (constraint posture), holding work
- 9.4 Combination of static and dynamic work

## **10. Mental factors**

- 10.1 Inadequately designed tasks (e.g. predominantly routine tasks, overqualification and underqualification)
- 10.2 Inadequately designed work organisation (e.g. work performed under great pressure of time, changing and/or long working hours, frequent night work, working sequence not thought through)
- 10.3 Inadequately designed social conditions (e.g. lack of social contacts, unfavourable leadership style, conflicts)
- 10.4 Inadequately designed workplace and ambient working conditions (e.g. noise, climate, confined space, inadequate perception of signals and process features, inadequate software design)
- 10.5

## **11. Other hazards**

- 11.1 due to people (e.g. assault)
- 11.2 due to animals (e.g. getting bitten)
- 11.3 due to plants and vegetable products (e.g. sensitising and toxic effects)
- 11.4