

1. Industrial use

Industrial use is the preparation of the substance or formulation or their use or application.

The use has to comply with the laws of work protection (e.g. Directive 98/24 EG). The industrial use takes place in fixed or mobile facilities equipped with safety devices.

The industrial use is characterised by:

- **Organisational measures** to comply with work safety and environment. They exist were controlled.
An organisation exists and responsibilities for EH&S-are defined including and risk management.
Qualified and well trained work force is employed, which is continuously and systematically trained.
- **Technical measures** to reduce expositions exist, if necessary and were controlled.
- **Personal protection equipment** is used if necessary and is controlled.

2. Professional use

Professional use is the preparation of formulations ore the use of substances or preparations.

The use occurs under the laws of work protections (e.g. Directive 98/24/EG).

The professional use is characterised by:

- Organisational measures to comply with safety and environmental standards exist.
- An organisation exists and responsibilities for EH&S-are defined.
- Workforce is trained.
- Equipment related measures were applied.
- Personal protection equipment is used.

3. Private use

Private use is the non professional use of substances and formulations.

The persons included are a group from the population getting into contact with the substance or the formulation.

- **Personal protection equipment:** Besides from e.g. gloves or goggles, requested in some cases for a specific application, the private user has normally no other protection measures or technical installations.

Expositions

Inhalation: Time of frequency and duration
Oral: Always long term (accidents = short term expositions are not taken here in account)
Dermal: Time of frequency and duration

- **Inhalation exposition**

Industrial, professional use (work force)

- a) 7 x ½ Hrs. per week (1/2 Hrs. per day, e.g. sample taking) or
- b) 1 x 4 Hrs. per week (e.g. during maintenance) (not valid for substances with log pow > 3)

private use

- a) 1 x ½ Hrs. per week or
- b) 1 x 4 Hrs. per month or
- c) 2 days per year

- **dermal exposition**

Industrial, professional use (work force)

- a) 7 x ½ Hrs. per week or
- b) 1 x 4 Hrs. per week
(only exposition of hands)

Private use

- a) 1 x ½ Hrs. per week or
- b) 1 x 4 Hrs. pro month or
- c) 2 days per year

Environment

Short term: 1/28 d
Lang term/repeated: > 1/28 d

For air, water, soil