

Health and safety

Ventilation



Respiratory
problems

Ventilation

Kickstart

Chemicals



Kickstart

*Question:
According to studies, how many
hairdressers suffer from asthma or
respiratory problems during their career?*

raise your hand

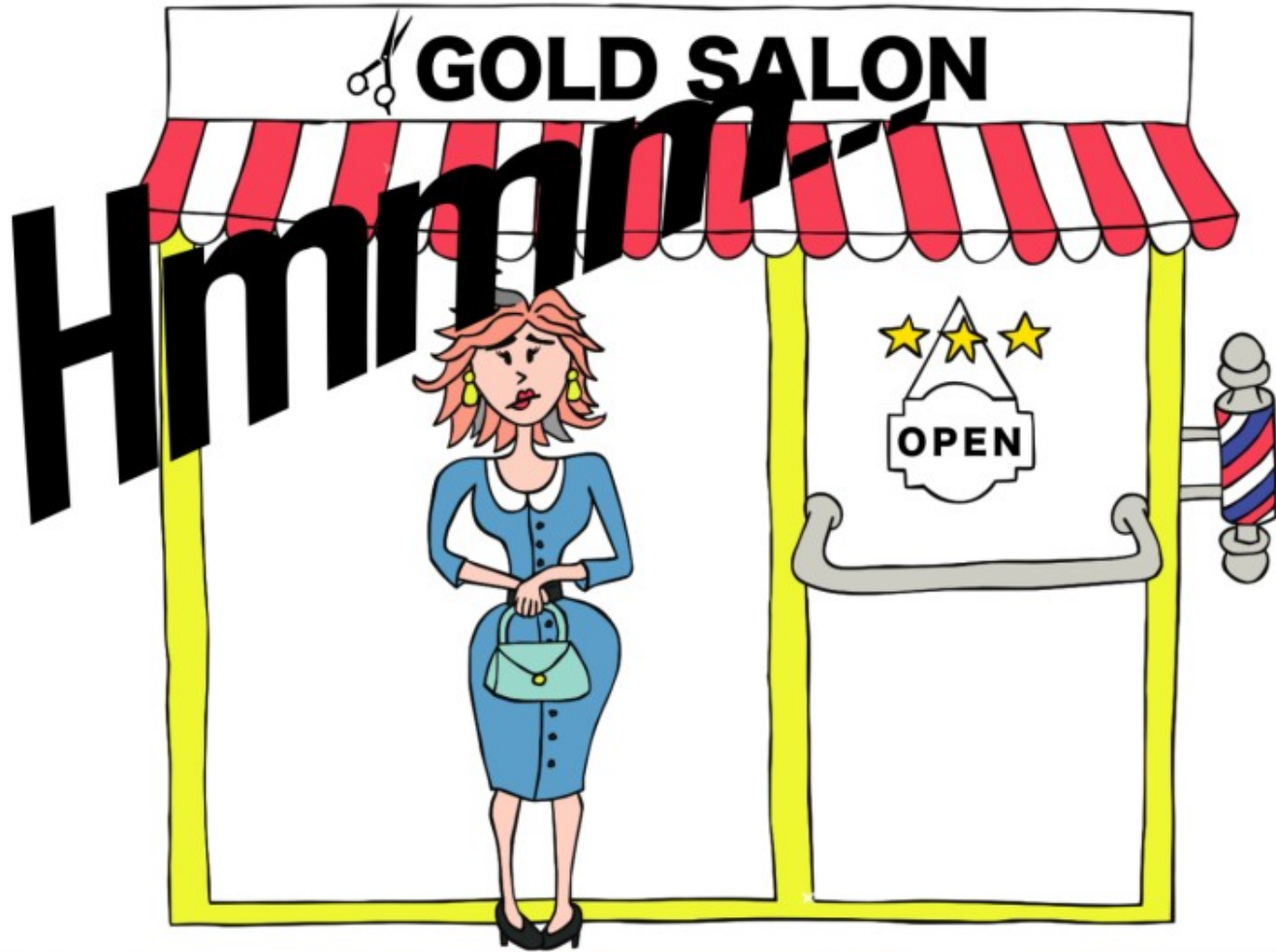
- *one out of 10*
- *one out of 3*
- *one out of 4*

















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Chemicals



It is important to protect yourself when working with chemicals



Risk
—

Symptoms
—

Asthma is a real risk

- One out of 3 hairdressers suffers from occupational asthma and respiratory problems
- Studies show some of the products used in salons can cause such health hazards.

Symptoms

These are typical asthma and respiratory symptoms

- You have difficulty breathing
- Your lungs are wheezing when you breathe out
- You have a dry cough
- You have tightness at the chest
- You cough mucus, and it happens often at night

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Chemicals

Chemical
work
environment

Chemicals
and products



Chemical work environment



Chemicals and ingredients which you particular should pay attention to

- Perm liquids (usually contains Thioglycolates and ammonium)
- Perm neutralization/fixation
- Hair color (Ammonia)
- Arosole hairspray (usually contains a kind of resin dissolved in alcohol perfume)
- Perfumes
- Bleach contains persulfate. There are three different kind of persulfates:
 - Ammonium persulfate
 - Natrium persulfate (Sodium persulfate)
 - Kalium persulfate (Potassium persulfate)
- Avoid the dust in nose and mouth when mixing the product if possible use a dust free or crème form products

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Ventilation

Ventilation is
clever prevention
and protection



Question?

System
—

Local
exhaust
ventilation

Exhaust
cabinet

Pictures

Question?

In how many countries in Europe is it required by the health and safety act for hairdresser to install ventilation in the salon?

- 0 countries
- 11 countries
- 2 countries
- Whole of EU

Ventilation system

- A door or a window that is opened and closed several times during the day, is not considered a functioning ventilation.
- An aircondition system is not a ventilation system.
- You need a system which extract and clean the air, both to protect workers, customers and the environment. The extracted air should have at least the same quality as the outdoor air.
- It must also be designed so that recirculation is automatically switched off if the cleaning is insufficient.
- Occupational health legislation states that the extracted air volume should be approximately 100 m³ /hour/unit.

Local exhaust ventilation



The association for hair and beauty in Denmark has decided that ventilation is a **MUST**

- **Local exhaust ventilation** must be used to prevent harmful particles spreading in the room.
- **Local exhaust ventilation** can be established via an arm with suction for every two operating workstations, and one arm for every two washing workstations.
- There must be access to **local exhaust ventilation** at all workstations of performing bleaching, perms, hair color and when using aerosol spray.

Exhaust cabinet

Always use exhaust cabinet when mixing bleach and color



Pictures



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