SafeAir badge
Chemical gas detection badge

Features
- Available for 20 different gases
- Quickly indicates the presence of contaminant
- Ideal for daily employee screening
- Indication of the average exposure value
- No calibration or laboratory analysis required
- Use from 4 to 37 °C
- Storage for 1 to 3 years at 4 °C

Product description
The SafeAir chemical badge is a personal equipment for monitoring exposure to toxic gases over exposure times ranging from 15 minutes to 24 hours. Small and discreet, it is designed to detect gas presence at concentrations below the exposure limit value by changing color.

SafeAir badges are very popular for measuring and controlling the concentrations of arsenic, chlorine, aromatic isocyanates (TDI, MDI), formaldehyde, hydrazine, mercury, ozone, phosgene, etc.

User-friendly
Easy to use, precise, economical and requiring no special technical skills or calibration, the SafeAir consist of a colorimetric badge with direct reading and a color comparison table. Most of them are waterproof and all are insensitive to relative humidity. The color changes and forms an exclamation mark which instantly indicates to its wearer presence of chemical hazard. Detection is done by a flat sensor integrated in the badge allowing a uniform and stable color unlike impregnated paper.

A color comparator
For better interpretation and precision of the gas quantity to which the wearer has been exposed, all you have to do is take the color comparator and slide the SafeAir badge on it. Then turn the wheel and find the color corresponding to the exclamation point and know the exact gas exposure rate.

Ref  | Gas            | Mesure Range       | Interference                  | Color comparator |
-----|----------------|--------------------|--------------------------------|------------------|
382010 | Ammonia        | 4 ppm/hr           | Primary aliphatic amines       |                  |
382009 | Chlorine       | 0.18 ppm/hr        | Br2, HCl, I2                   | 383010 0.3 - 3 ppm/hr |
382003 | Chlorine / Chlorine dioxide | Cl2: 0.18 ppm/hr ClO2: 0.2 ppm/hr | Cl2: Br2, HCl, I2 ClO2: NO2, high conc. O3 |                  |
382018 | sulphur dioxide | 0.2 ppm/hr         | None known                     |                  |
382011 | Formaldehyde   | 0.4 ppm/hr         | Acrolein                       |                  |
382002 | Hydrazine      | 8 ppb/hr           | MMH, aromatic amines           | 383001 4.5 - 300 ppb/hr |
382020 | Hydrazine two levels | Front: 8 ppb/hr, Back: 4 ppb/hr | MMH, aromatic amines           | 383004 6 - 300 ppb/hr |
382001 | Aromatic isocyanates | TDI: 5 ppb/hr MDI: 3.5 ppb/hr | Aromatic isocyanates, high conc. Hydrazine | 383005 2.5 - 700 ppb/hr |
382005 | Mercury        | Front 0.25 mg/m3/hr, Back 0.08 mg/m3/hr | Strong oxidizers               |                  |
382012 | Carbon monoxide | 7 ppm/hr           | Alkenes, H2, H2S               |                  |
382004 | Ozone          | 0.05 ppm/hr        | H2O2, above 1 ppm NO2          |                  |
382000 | Phosgene       | 15 ppb/hr          | COBr2, CNCl, CICO2             | 383000 0.9 - 100 ppm/min |
382015 | Hydrogen sulfide | 2 ppm/hr          | None known                     |                  |