

CHROMAIR®

Exposure data read directly from badge ☀ Highly Sensitive and selective
 Measure TWA exposure ☀ No calibration or laboratory analysis needed
 Ideal for daily employee screening or leak detection



Principle of Operations

The ChromAir badge is a colorimetric direct-read monitor. It relies on the principle of diffusion; therefore it requires no pump to operate. Unlike traditional diffusion tubes, the patented design of the ChromAir badge provides a short and constant diffusion path irrespective of the sampling time or concentration. This unique feature provides accurate results immediately and throughout the sampling period.

The ChromAir monitor provides the user with six exposure levels. Most ChromAir badges indicate from 1/10 to 2 times the time-weighted-average for an eight hour work period. The scale printed on the badge and color comparator is based on exposure. To determine the average concentration, locate the highest cell with a color change and divide the corresponding dose level by the total sampling time.

–GET IN TOUCH–

BY PHONE:

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| PART # | ANALYTE | THRESHOLD LEVEL |
|--------|-----------------|----------------------------------|
| 380003 | Ammonia | 4.0 - 300 ppm-hr |
| 380008 | Carbon Monoxide | 10 - 525 ppm-hr |
| 380004 | Chlorine | 0.4 -> 13 ppm-hr |
| 380007 | Formaldehyde | 0.3 - 12 ppm-hr |
| 380017 | Glutaraldehyde | 0.04 - 0.95 ppm |
| 380018 | Mercury | .125 - 1.6 mg/m ³ ·hr |
| 380010 | Ozone | 0.08 - 1.6 ppm-hr |



SAFEAIR®



Easy to use

Highly Sensitive and selective

Measure TWA exposure

No calibration or laboratory analysis needed

Ideal for daily employee screening or leak detection

| PART # | ANALYTE | THRESHOLD LEVEL |
|--------|-----------------------------|---|
| 382010 | Ammonia | 4.0 ppm·hr |
| 382009 | Chlorine | 0.18 ppm·hr |
| 382003 | Chlorine/Chlorine Dioxide | Cl : 0.18 ppm hr ClO ₂ : 0.2 ppm·hr |
| 382011 | Formaldehyde | 0.2 ppm·hr |
| 382002 | Hydrazine | 8 ppb·hr |
| 382020 | Hydrazine Dual Level | Front: 8 ppb·hr Back: 4 ppb·hr |
| 382005 | Mercury | Front: 0.25 mg/m hr Back: 0.08 mg/m hr |
| 382004 | Ozone | |
| 382025 | Perfluoroisobutylene (PFIB) | 0.05 ppm·hr 3 ppm·min |
| 382036 | Phosgene | 0.5 ppm·min |
| 382065 | Phosgene Dura | 1.2 ppm·min |
| 382060 | Phosgene Medi | 10 ppm·min |
| 382001 | TDI/MDI | TDI: 5 ppb·hr MDI: 5 ppb·hr |

COLOR COMPARATORS

| PART # | ANALYTE AND EXPOSURE DOSE RANGE |
|--------|--|
| 383010 | Chlorine [0.03-3.0 ppm·hr] |
| 383001 | Hydrazine [4.5-300 ppb·hr] |
| 383006 | MDI [5-140 ppb·hr] |
| 383025 | Perfluoroisobutylene (PFIB) [3-30 ppm·min] |
| 383016 | Phosgene [0.5-450 ppm·hr] |
| 383005 | TDI [5-140 ppb·hr] |

Now Available!!

PFIB badge and
Color Comparator

SAFEAIR®

Principle of Operations

The SafeAir badge provides an immediate visual indication when a specific chemical hazard is present. The sensor in the SafeAir badge is constructed from a coated indicator layer rather than impregnated paper, thus providing a homogeneous and stable color change. The badges are highly sensitive and selective to the targeted chemicals. A color change, in the form of an exclamation mark, warns the presence of the targeted hazard. The SafeAir badge provides low-cost chemical detection. The badge requires minimal training. There is no calibration, extra equipment or laboratory analysis required.



Multi-Purpose Badge

Often chemicals coexist in the same environment. The SafeAir chlorine/chlorine dioxide badge selectively indicates the presence of chlorine on the front side of the badges and chlorine dioxide on the back side. Indications may appear on both sides if both chemicals are present. Multi-purpose badges are available for TDI/MDI and hydrazine/monomethyl hydrazine. Individual color comparators may be used to quantify the exposure of the specific chemical



Dual Threshold Badges

The mercury and hydrazine dual-level badges provide the user with two independent threshold levels. The front of the badge indicates one threshold level while the back provides a second level. This unique feature allows the badge to be used as an inexpensive range finder.



Color Comparators

For higher resolution and wider range, the SafeAir badges can be used with the SafeAir color comparator. Slide the SafeAir badge with the exclamation point facing up into the color comparator and turn the wheel until the colors match. Read the exposure dose in the exposure dose window.

MORPHIX®
TECHNOLOGIES

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