Operating Instructions

863 Valley View Road, Eighty Four, PA 15330
724-941-9701 • skcinc.com

Important Note! *In Step 3 below, the pad is developed by spraying it twice with Aromatic Amine Cleaning/Developing Solution Cat. No. 769-1061. Water is* ***no longer*** *used to develop the pad.*

PERMEA-TEC Sensor for Aromatic Amines
Cat. No. 769-3001

The PERMEA-TEC Sensor colorimetric screening method determines the effectiveness of chemical-protective gloves and clothing under actual use conditions. CLI's microencapsulation detection indicator changes color, indicating permeation for many common aromatic amines. Results enable professionals to select the gloves/clothing best suited for protection, acceptance, and cost-effectiveness.

Easy-to-use PERMEA-TEC sensors are adhered to a worker's skin at points of greatest contact and abrasion before gloving or covering and are observed for color change at time intervals.

Instructions for Use

To determine a user-safe time period for the particular glove, **double gloving is recommended.**

1. Affix PERMEA-TEC sensors to the thumb, middle finger, and palm on the outside of the glove currently being worn. Place the glove to be evaluated over the first glove.
2. After one hour, remove the outside glove and the underlying PERMEA-TEC sensors.
3. Develop the pad by spraying it twice with Aromatic Amine Cleaning/Developing Solution Cat. No. 769-1061. A positive indication of breakthrough results in a color change. Aromatic amines will produce the following colors:
   - *MOCA and MDA:* Red-orange
   - *Ethacure:* Blue
   - *Phenylene diamine:* Purple
4. If no breakthrough is indicated, apply fresh PERMEA-TEC sensors and continue to wear the outside glove for another hour. Follow Steps 2 and 3 to determine if breakthrough has occurred.
5. Repeat Steps 3 and 4 to determine a user-safe time period for gloves.

Other PERMEA-TEC sensors are available for:

Aromatic Isocyanates:	TDI, MDI
Aliphatic Isocyanates:	HDI, HMDI
Aliphatic Amines:	N,N-dimethylcyclohexylamine, triethanolamine, diethanolamine, and triethylenediamine
Acid/Base:	HCl, HF, H_2SO_4, and NH_3
Phenols:	Bisphenol A
Solvents	

Form 37546 Rev 220215