

SafetyTech[™]

International, Inc.

A Subsidiary of TVI Corporation

5703 Industry Lane | Frederick, MD 21704

To: Owners of the SafetyTech International, Inc. M95 Cartridges

Subject: Technical Bulletin for SafetyTech International, Inc. M95 Cartridges

Date: February 22, 2007

SafetyTech International, Inc. has learned through laboratory testing that M95 cartridges may not meet the NIOSH-required organic vapor service life time to breakthrough when exposed to 85% humidity levels for six hours and used on the SafetyTech International, Inc. Powered Air Purifying Respirators (PAPR). The M95 cartridge does, however, meet the NIOSH-required organic vapor service life requirements when used on the SafetyTech International, Inc. Air Purifying Respirators (APR).

The humidity pre-equilibration and gas capacity testing conducted for organic vapor breakthrough is part of the NIOSH respirator certification testing required for use of a PAPR with this cartridge. The cartridges are conditioned in an environment at 85% relative humidity for a period of 6 hours. After completion of this conditioning, the cartridges are attached to a PAPR and subjected to the test challenge agents to determine time limits before the challenge agent breakthrough. For organic vapor, the challenge agent concentration is 1000ppm of carbon tetrachloride. Under these test conditions, the minimum acceptable gas capacity time to breakthrough when using a PAPR is 12.5 minutes. Independent laboratory testing found the M95 cartridge exhibited breakthrough on the average of 9.2 minutes.

SafetyTech International, Inc. has therefore prepared this technical bulletin on the M95 cartridge to inform cartridge owners of these latest laboratory testing results. The M95 cartridge may not be used for PAPR organic vapor protection when used with the SafetyTech International, Inc. C420 Blower and the following full facepieces: Promask 2000, M95 w/drinking device, and FM12. The M95 cartridge no longer has NIOSH approval for use for organic vapor on the SafetyTech International, Inc. PAPR (Ref. TC-23C-2188).

Users may continue to use the M95 cartridge for all other gas, vapor, aerosol and particulate protections listed on the cartridge label for the C420 Blower System (Ref. TC-23C-2188).

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Users may continue to use the M95 cartridge for all gas, vapor, aerosol and particulate protections listed on the cartridge label for the NIOSH-approved Air Purifying Respirator with the following full facepieces: M95 w/ and w/o drinking device, Promask 2000 and the SGE 400/3 (Ref. TC-84A-3320).

These cartridges are only offered for use in conjunction with an organized respiratory protection program that complies with OSHA 29 CFR 1910.134 or other pertinent nationally recognized standards such as ANSI or USCG.

This technical bulletin concerns the following SafetyTech International, Inc. part number and affected lot numbers:

PART NUMBER

M-70005-001 (each) and M-70005-020 (pack of 20)

LOT NUMBERS

1 1/06
501 through 508 501/06
3 2/06
4 2/06

The lot number is located on the cartridge wrap-around label in the “white” area.

Should you have any questions, please contact the SafetyTech International, Inc. Sales/Technical Support Team.

Respectfully,

SafetyTech International, Inc. Technical Support Team