



Scott Health & Safety
Monroe Corporate Center
Shipping Address: 4320 Goldmine Road
Monroe, NC 28110
Mailing Address: P. O. Box 569
Monroe, NC 28111
Tel: 704.291.8300
Fax: 704.291.8340
www.scotthealthsafety.com

To: Owners of Scott Air Purifying MPC Plus Cartridges

From: Rick Hofmeister

Subject: Technical Bulletin for Scott Air Purifying MPC Plus Cartridges

Date: February 26, 2007

Scott Health and Safety has learned through laboratory testing that MPC Plus cartridges may not meet gas capacity time to breakthrough expectations when exposed to 85% humidity levels for six hours and used in conjunction with Powered Air Purifying Respirators (PAPR). The MPC Plus cartridge does however meet such laboratory testing expectations when subjected to standard NIOSH breathing rate tests simulating a respirator user breathing without mechanical assistance.

The humidity pre-equilibration and gas capacity testing that is conducted for organic vapor breakthrough is part of the NIOSH 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 six hours. After completion of this conditioning the cartridges are attached to a PAPR and subjected to challenge agents to determine time limits before breakthrough. For organic vapors, the challenge agent concentration is 1000 ppm carbon tetrachloride. In this instance, acceptable gas capacity time to breakthrough when using a PAPR is 12.5 minutes. Independent laboratory testing found Scott's MPC Plus cartridges to exhibit breakthrough on average at 9 minutes. Similar testing using the MPC Plus cartridge under respirator user breathing tests without mechanical assistance met all test requirements.

Scott Health and Safety is therefore making all owners of MPC Plus cartridges aware of these latest laboratory testing results. The MPC Plus cartridge may not be used for organic vapor protection when used in conjunction with a PAPR with the appropriate Scott AV-3000[®], AV-2000[®], Scott-O-Vista[®], or Weld-O-Vista[™] facepiece and 40 mm adapter; or with the Promask 40, M98, M120, M95 or M110 gas masks. The MPC Plus cartridge is no longer NIOSH approved for use with a PAPR for organic vapors.

Users may continue to use the MPC Plus cartridge for all other listed gas, vapor, aerosol and particulate protections on the cartridge label for PAPR devices. Users may also continue to use the MPC Plus cartridge when used as a component of an Air Purifying respirator with the appropriate Scott AV2000, Scott-o-vista, AV3000, or Weld-o-vista facepiece and 40 mm adapter; or Promask 40, M98, M120, M95 or M110 facepiece for all listed gas, vapor, aerosol and particulate protections on the cartridge label for APR devices.

These canisters 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 Scott MPC Plus Cartridges:

Scott Part No.	Identifier
805557-01	MPC Plus (Plastic Packaging)
805557-02	MPC Plus (Foil Packaging)

All cartridges listed above with a manufacture date prior to January, 2007 may not be used in conjunction with a PAPR for organic vapor protection. The cartridges are used with PAPR devices including AV-3000, AV-2000, Scott-O-Vista, or Weld-O-Vista full facepiece when used with the 40mm adapter (p/n 805059-01) or with the Promask 40, M98, M120, M95 or M110 gas masks.

Please contact Scott's Technical Support Group, your Scott Field Service Specialist or Regional Manager should you have any questions.

Cordially,

Rick Hofmeister
Service Group Manager