



Respirator User Notice

11 August 2011

To All M96 Cartridge (p/n S-70020) Owners and Users

Immediate Response Technologies, Inc. has been informed that a safety issue may exist when the M96 Cartridge is exposed to phosphine gas. When exposed to high concentrations of phosphine gas along with other conditions (i.e. airflow rate, temperature and relative humidity) as prescribed in NIOSH test protocols a possible reaction with the sorbent material in the cartridge has occasionally generated high heat. Although it is unlikely that the test conditions will be experienced by actual users, a potential risk to the user exists since the threshold conditions for this heat reaction are not well defined. There is risk potential for burns and/or exposure to harmful vapor by users.

Therefore, **Do not use the M96 cartridge in the presence of Phosphine gas** to avoid this potential safety issue. Phosphine is commonly used by industry in organophosphorus chemistry to create crease and flame resistant textile treatments; as a fumigant; or occasionally in microelectronics for semiconductor production.

Users may continue to use the M96 Cartridge for all other gas, vapor, aerosol and particulate protections listed on the cartridge label for NIOSH-approved air purifying respirator and powered air purifying respirator configurations to include:

- HE – High Efficiency Particulate, PAPR
- P100 – Particulate, 99.97% efficiency
- AM - Ammonia
- CD – Chlorine Dioxide
- CL – Chlorine
- FM – Formaldehyde
- HC – Hydrogen Chloride
- HF – Hydrogen Fluoride
- HS – Hydrogen Sulfide
- MA – Methylamine
- OV – Organic Vapor
- SD – Sulfur Dioxide
- CS – Chlorobenzylidene Malononitrile
- CN – Chloroacetophenone

Immediate Response Technologies, Inc. has submitted an extension for approval to NIOSH NPPTL for voluntary removal of Phosphine from all applicable approvals for the M96 Cartridge. Please be advised that this will be applicable to all air purifying respirator and powered air purifying respirator configurations approved for use with the M96 Cartridge.



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The M96 Cartridge will no longer be approved for use against Phosphine. Effected approvals and respirator models are as follows:

<u>NIOSH Approval No.</u>	<u>Respirator Model</u>
Powered Air Purifying Respirator (PAPR)	
TC-23C-2457	C420 PAPR with Promask 2000 Full Facepiece
TC-23C-2486	C420 PAPR with M95 Full Facepiece
Air Purifying Respirator (APR)	
TC-84A-5036	Promask 2000 Full Facepiece
TC-84A-5175	M95 Full Facepiece

This notice pertains to cartridges marked with S-70020 part number and that may have been sold with the following part number extensions:

S-70020-001
S-70020-020
S-70020-480
S-70020-F01
S-70020-F20
S-70020-F480

All lots produced from 2009 through July 2011 are affected.

Please contact IRT if you have any questions or concerns.