



03/10/2004

**PRODUCT ADVISORY NOTICE**  
**3M™ Battery Pack 520-01-17R01, Blue, NiCd, Intrinsically Safe**

Dear Customer:

Investigation by 3M has determined that the 3M™ Battery Pack 520-01-17R01, Blue, NiCd, Intrinsically Safe (IS) does not satisfy the more rigorous design criteria for meeting today's performance requirements for intrinsic safety approval. Under a few specific, but unlikely scenarios, there is a possibility that a spark could be generated between the charge and ground terminal on the battery connector. While this is remote under normal conditions, there are certain fault situations that could lead to this condition, such as: the battery is stored in the IS environment and conductive dust accumulates inside the connector plug; during use in the IS environment, conductive dust works its way down between the motor connector plug and the battery socket; or, while in the IS environment a foreign object is placed into the battery connections, shorting between the ground and charging sockets of the battery.

As a result, 3M is removing the claim of intrinsic safety from the 520-01-17 battery and affected systems manufactured prior to February 2004. This date can be found stamped on the battery label, shown in the format "mm/yy". If your workplace requires the use of intrinsically safe approved equipment, **do not** use this battery in your location.

**List of affected components and systems:**

- 3M(TM) Battery Pack 520-01-17R01, Blue, NiCd, Intrinsically Safe
- 3M(TM) Breathe Easy(TM) Turbo Belt-Mounted Powered Air Purifying Respirator (PAPR) Assembly 520-17-00, Intrinsically Safe
- 3M(TM) Powerflow(TM) Face-Mounted Powered Air Purifying Respirator (PAPR) 6800PF, Medium
- 3M(TM) Powerflow(TM) Face-Mounted Powered Air Purifying Respirator (PAPR) 6900PF, Large



**Systems using this battery continue to meet all requirements of NIOSH for respiratory protection. If used in a non-intrinsic safe environment, the battery does not present a hazard and can continue to be used safely.**

03/10/2004

Page 2

3M is developing a new intrinsically safe battery to meet current performance IS requirements to resolve this issue. In the near future we will be providing additional information on the upgrade and the process for exchanging your current IS battery pack. Please check our website for ongoing information: <http://www.3m.com/occsafety>.

If your application requires intrinsic safety or you have questions on intrinsic safety classification, please contact 3M Technical Service at 1-800-243-4630 or in Canada, 1-800-267-4414.

Sincerely,

A handwritten signature in black ink that reads "M.D. Martinez". The signature is written in a cursive style with a large, looping "M" and "D".

M.D. Martinez  
National Sales Manager