



Mine Safety Appliances Company • Instrument Division • P.O. Box 427 • Pittsburgh, PA 15230-0427

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To whom it may concern:

MSA P/N 10038063, a lithium manganese dioxide battery used in the Pulsar® gas monitor, is considered an article as defined in 29 CFR 1910.1200(c). Articles are exempt from the U.S. OSHA Hazard Communication Standard and therefore no MSDS is required for this product. In order to aid in your understanding the contents of this battery pack the following table lists the chemical components within the battery pack at the time of manufacture.

CHEMICAL COMPONENTS	QUANTITY %
Manganese dioxide	30-45
Propylene carbonate-solvent	1-10
1,2 Dimethoxyethane - solvent	5-10
Lithium	1-5
Carbon black	1-5
Ethylene carbonate	0-5
Lithium triflate-salt	1-5

The state of charge of the battery as well as the environment in which you used the battery pack may have impacted its contents. It is your responsibility to recycle or dispose of battery packs in accordance with local, state, and federal laws and regulations. Please provide this information to your regulatory affairs and/or safety officer.

Should you have additional questions contact MSA at the above phone number.

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