



Henry County Office of Emergency Management

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Respirator Cartridge Selection

GME cartridge (MSA 815359 is a set of 2 - 815298)

For organic vapor, acid gases, ammonia, methylamine, formaldehyde and hydrogen fluoride

CL	-	CHLORINE	AM	-	AMMONIA
HC	-	HYDROGEN CHLORIDE	MA	-	METHYLAMINE
SD	-	SULFUR DIOXIDE	CD	-	CHLORINE DIOXIDE
FM	-	FORMALDEHYDE	HS	-	HYDROGEN SULFIDE (escape Only)
OV	-	ORGANIC VAPORS	HF	-	HYDROGEN FLUORIDE

Advantage P100/CS/CN cartridge (MSA 817590) [ALUMINIUM/FOIL PACKAGE]

CS or CN are chemical compounds commonly referred to as Pepper Sprays or Tear Gas.

CS	-	ORTHOCHLOROBENZALMALONITRILE
CN	-	ALPHACHLOROACETAPHENONE

Advantage P100, Micro low Profile cartridge (MSA 815369 is a set of 2 - 815303)

This P100 filter may be used for multiple shifts (8hours).

This is a particulate filter is 99.97% efficient against all particulate aerosols (dusts, fumes, and mists) including oil-based aerosols.

Fumes - An aerosol created when solid material is vaporized at high temperatures and then cooled. As it cools, it condenses into extremely small particles - generally less than 1 micron in diameter. Fumes can result from operations such as welding, cutting, smelting or casting molten metals.

Dusts - An aerosol consisting of mechanically produced solid particles derived from the breaking up of larger particles. Dusts generally have a larger particle size when compared to fumes. Operations such as sanding, grinding, crushing, drilling, machining or sand blasting are the worst dust producers. Dust particles are often found in the harmful size range of 0.5 to 10 microns.

Mists - An aerosol formed by liquids, which are atomized and/or condensed. Mists can be created by such operations as spraying, plating or boiling, and by mixing or cleaning jobs. Particles are usually found in the size range of 5 to 100 microns.

As with all incidents it shall be the responsibility of the wearer and the employer to identify the correct cartridge to be used when needed, including oxygen and contaminant concentration!!!

This document is under construction at this time check the web site regularly for the latest updates

Reference sources

<http://www.self-defense-sprays.com/peppersprays.htm>

www.henrycoema.org

Director: Ron Huffman