

Respiratory Protection (Based on Metal Particulate² Exposure Levels)

Welding...Painting...Plating

3M offers a full line of respiratory protection — some examples are listed below. For additional options, please visit www.3M.com/OccSafety or call Technical Service in the USA at 1-800-243-4630.

3M™ Product	Metal Particulate ² up to 10 x OEL	Metal Particulate ² up to 25 x OEL	Metal Particulate ² up to 50 x OEL	Metal Particulate ² up to 1000 xOEL
8000, 8210, 8211, 8511, 8515, 8512, 8212, 8247, 9211	✓			
8514 N95/Nuisance Level OV ¹ , 8214 N95/Nuisance Level OV ¹	✓			
6000 or 7500 Series Half Facepiece with 2091 P100, 7093 P100 or 2097 P100 with Nuisance Level OV ¹	✓			
6000 or 7800 Series Full Facepiece with 2091 P100, 7093 P100 or 2097 P100 with Nuisance Level OV ¹	✓	✓ ³	✓ ³	
Adflo™ PAPR	✓	✓		
6000 or 7800 Series Full Facepieces with GVP-440	✓	✓	✓	✓
L-500 or 700 Series with GVP-440	✓	✓		
L-900 Series with GVP-440	✓	✓	✓	✓
Fresh Air II Supplied Air System	✓	✓		
L-500 or 700 Series with Supplied Air	✓	✓		
L-900 Series with Supplied Air	✓	✓	✓	✓
6000 or 7500 Series Half Facepieces with Supplied Air	✓	✓	✓	
6000 or 7800 Series Full Facepieces with Supplied Air	✓	✓	✓	✓

¹ Nuisance level organic vapors refer to concentrations not exceeding the OSHA PEL, or applicable government occupational exposure limits whichever is lower. ² Excluding inorganic arsenic, lead and cadmium in general industry and construction. ³ Only if quantitatively fit tested

Examples of Specific Metal Particulate Exposure Levels

Substance	OSHA PEL	OSHA TLV
Hexavalent Chromium	PEL The current PEL is 5 mcg/m ³ as hexavalent chromium	TLV The current TLV is the time weighted average of 0.01 mg/m ³ as chrome
Beryllium and Beryllium Compounds	PEL The current PEL is the time weighted average of 2.0 mcg/m ³ as beryllium	TLV The current TLV is the time weighted average of 0.002 mg/m ³
Manganese, Elemental and Inorganic Compounds	PEL The current PEL is also the ceiling at 5.0 mg/m ³ as manganese	TLV 0.2 mg/m ³ as manganese



Occupational Health and Environmental Safety Division

3M Center, Building 235-2E-91
St. Paul, MN 55144-1000

For more information, please contact

Technical Assistance: 1-800-243-4630
Customer Service: 1-800-328-1667
Fax-on-Demand: 1-800-646-1655
Internet site: www.3M.com/OccSafety

Please Recycle.

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