



Employee Safety

## The Respiratory Hazards of Metalworking are Real

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The respiratory hazards of metalworking are real. From new hires to long-time welders, the protection you provide can affect your worker's health in the future.

Some of these hazards include the debris caused from demanding applications like heavy grinding, edge deburring and *beveling*. From new hires to long-time welders, the protection you provide can affect your worker's health in the future.

# #1

## Most Cited Industry

Fabricated metal product manufacturing ranks first in OSHA respiratory protection citations.\*

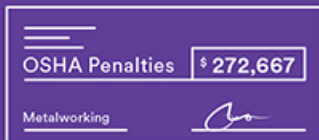


# #3

## OSHA Recorded Incidents for Manufacturing

Primary metal and metal fabrication combined rank third in number of OSHA recordable incidents within the manufacturing industry.\*\*

# Help protect your future. Wear a respirator.



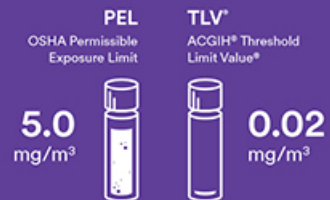
Amount metalworking industry paid in OSHA respiratory protection citations for Oct. 2015 to Sept. 2016.\*



We're here to help – get a sample and learn more about respiratory protection for metalworking at

[www.mscdirect.com/products/3m-products-ppe](http://www.mscdirect.com/products/3m-products-ppe)

### Levels of Permissible Manganese Exposure



Did you know OSHA and ACGIH® have different limits on manganese exposure?

NOTE: This is a graphical illustration by 3M based on certain important assumptions; visit [3M.com/respmanganese](http://3M.com/respmanganese) for more information.

#### Sources:

\*Occupational Safety and Health Administration. (2015, October). Industry Profile for OSHA Standard 19100134. Retrieved October 25, 2016, from [https://www.osha.gov/pls/imis/industryprofile.stand?p\\_esize=&p\\_stand=1910.134&p\\_state=FEFederal&p\\_type=3](https://www.osha.gov/pls/imis/industryprofile.stand?p_esize=&p_stand=1910.134&p_state=FEFederal&p_type=3)

\*\*U.S. Department of Labor, Bureau of Labor Statistics. (2015, October 29). Employer-Reported Workplace Injuries and Illnesses - 2014 [Press release]. Bureau of Labor Statistics. Retrieved October 25, 2016, from [http://www.bls.gov/news.release/archives/osh\\_10292015.pdf](http://www.bls.gov/news.release/archives/osh_10292015.pdf)



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