

FILTERING OUT THE FACTS:

# SILICA DUST



180 facility decision makers answered questions on their thoughts and strategies behind reducing silica dust exposure and a new rule that OSHA estimates will save over 600 lives each year.

## WHAT IS SILICA?

Respirable Silica Dust is created by cutting, sawing, grinding, drilling and crushing silica producing materials.

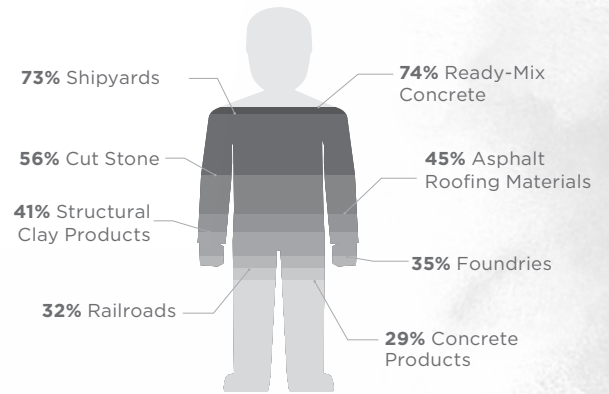


RESPIRABLE CRYSTALLINE SILICA IS AT LEAST 100 TIMES SMALLER THAN SAND

500 MICROGRAMS SILICA



## WHO IS AFFECTED?



Percent of workers currently exposed to respirable crystalline silica dust **above the permissible exposure level**

## WHAT MATTERS MOST?

- +** **69%** feel the **health and safety of employees** is the **most important factor** driving compliance.
- ?** Approximately **50%** of the customers we surveyed have **Silica Dust above the Permissible Exposure Level**, or **don't know if they are in compliance**.
- 👤** **86%** of facilities have already started or plan to implement a new processes to meet the OSHA regulation before 2018.

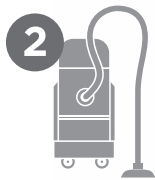
## SOLVING FOR SILICA DUST

**!** **55%** have a **high urgency** in complying with this new rule.

### MOST COMMON HOUSEKEEPING PROCESSES PLANNED TO HELP CONTROL SILICA DUST



MECHANIZED FLOOR CLEANING EQUIPMENT



INDUSTRIAL VACUUMS



FLOODING

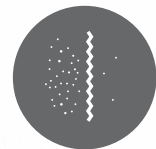
### CLEANING METHODS LIKELY TO ADOPT

#### MOST COMMON



WET SWEEPING

#### MOST PREFERRED



DRY SWEEPING WITH HEPA FILTRATION\*

\*Dry sweeping with HEPA filtration is only acceptable when other methods are not feasible.

#### SOURCES

<https://www.osha.gov/Publications/OSHA3682.pdf>  
[https://www.osha.gov/silica/Silica\\_FAQs\\_2016-3-22.pdf](https://www.osha.gov/silica/Silica_FAQs_2016-3-22.pdf)  
<https://www.osha.gov/>

Survey source: Blind survey sponsored by Tennant (Jan 2017), conducted by independent 3rd party.

CONTACT TENNANT TO LEARN MORE:

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