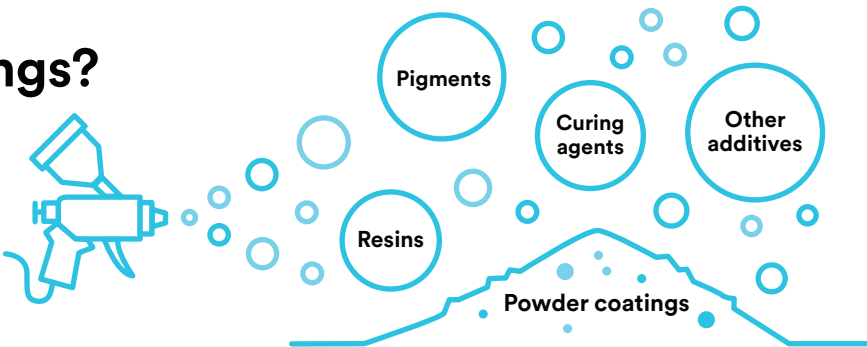


Know your hazard: Powder Coatings

What are powder coatings?

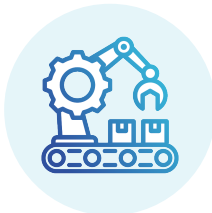
Powder coats are mixtures of pigments, resins, curing agents and other additives.

The powders are sprayed with a gun, which imparts a charge upon the particles.



What are the sources of exposure to powder coating?

Workers can be exposed to toxins in powder coatings during:



Manufacturing of powder coatings



Manual spray applications



Handling and dispensing powders



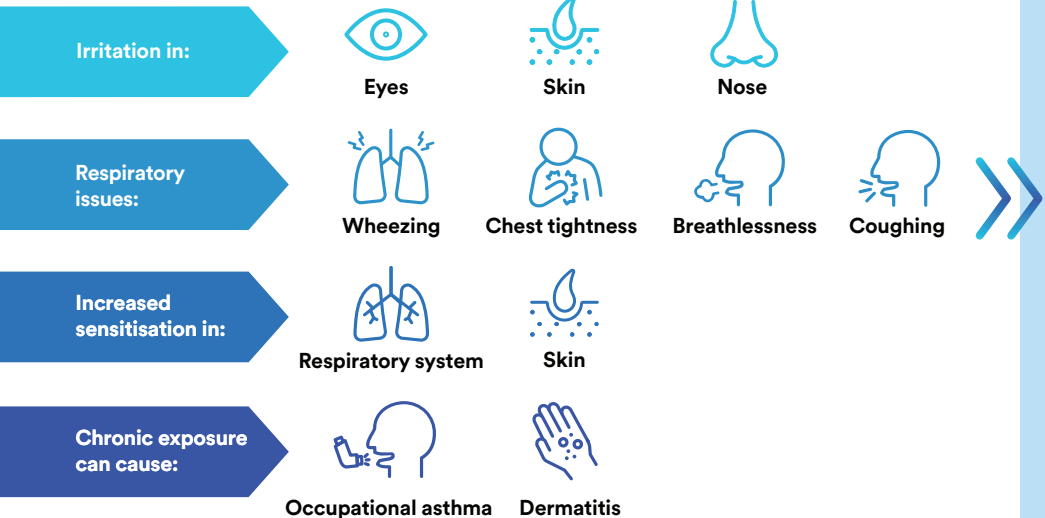
Cleaning paint booths



Maintaining spray equipment

Harmful effects of powder coating

Powder coating powders generally have low solvent content compared to liquid-based paints and are often classified as having **low toxicity**. However, some powder coats can have pigments and hardeners that can pose health risks such as:



How can one protect against it?

In order to reduce exposure and risks to workers, you can:

- Get Respiratory Protective Equipment (RPE).
- Conduct risk assessment to compare exposure levels with limits.
- Implement engineering controls such as local exhaust ventilation (LEV).

What RPE does 3M recommend for protection against powder coating?

3M has a range of RPE that can help reduce your exposure to dusts, mists, metal fume, as well as gases and vapours commonly encountered in metal production and fabrication.

Type of Respirators	Recommended 3M Respiratory Protective Equipment*			
Powered Air Respirator	<div><div></div><div>+</div><div></div></div>			
Supplied Air Respirator	<div></div>			
Reusable Respirator	<div><div></div><div>+</div><div></div></div>			
Disposable Respirator	<div></div>	<div></div>	<div></div>	<div></div>

*This is only recommendation for minimum PPE required. Each work application must be evaluated by a competent person as required by local laws and regulations for the hazard and risk before selection of right PPE. Workplace rules and regulations must take precedence, if more stringent.
^9322A+ and 8511 for protection against particulates only. #8247 and 8577 for protection against particulates and nuisance odours.
1. for particulate only. 2. for particulate and nuisance odor protection

REQUEST A DEMO
To know which respiratory protection is best suited for your work environment, scan the QR code.

READ MORE
For more information on the hazard and product disclaimers, scan the QR code for the technical bulletin.

EXPLORE MORE
To discover variety of respiratory protection equipment from 3M, for your workers, scan the QR code.