



BREATHE FREELY Australia

Controlling exposures to prevent  
occupational lung disease in  
**WELDING**



Do you  
breathe freely?



QUALITY DRIVEN

1977  
ME D/S  
soft ch  
SIZE  
LARGE  
16.5  
TYPE R  
43XMAX 2111

LG 250G  
IEC 60974-7

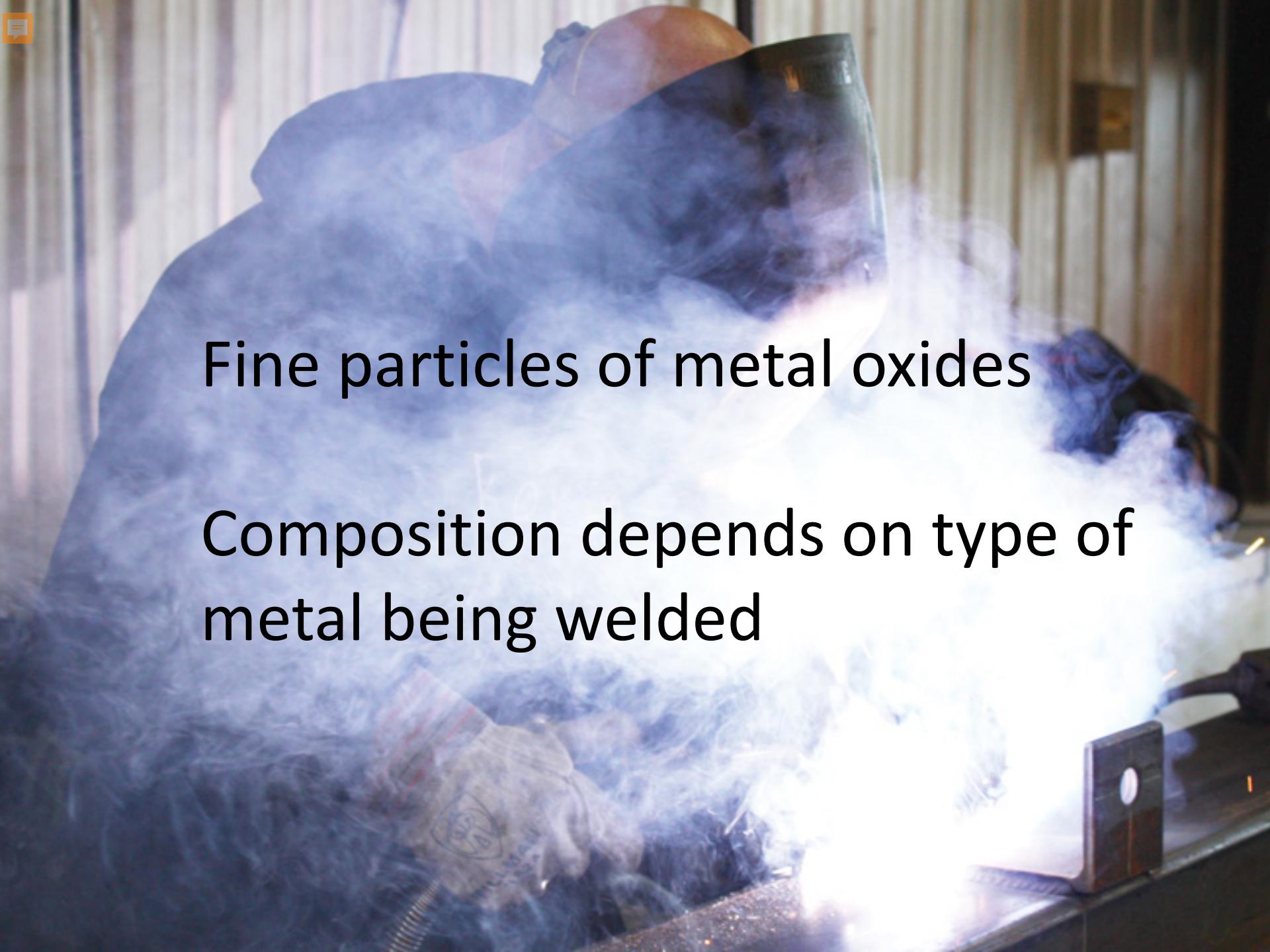


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**WELDING**

- Fume
- Gases
- UV radiation







Fine particles of metal oxides

Composition depends on type of metal being welded

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Welding is inherent with construction and maintenance, hence a significant number of workers are potentially exposed to welding fume.





# Health Concerns





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Welding fume is one of the top 10 occupational  
cancers in Australia







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- Pneumonia
- Metal fume fever
- COPD (Chronic Obstructive Pulmonary Disease)
- Asthma





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## Nickel and Chromium

- Cancer
- Asthma





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## Manganese

- Neurological effects

# Welding Fume





70



ITM 35  
NRI B14 83/33

# Controlling Welding Fume















**Nederman**



airBELT



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# Breathe Freely in Manufacturing





Controlling exposures to prevent  
occupational lung disease in  
**WELDING**

- Fact sheets
- Guidance on controls
- Case Studies
- Assessment / measurement
- Toolbox talk



**Join us and be part of the solution**

**[www.breathefreelyaustralia.org.au](http://www.breathefreelyaustralia.org.au)**