Session 1. How to be Part of the Change?
- Policy Interventions for Differentiated Products

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The Application of Hierarchy of Control in Occupational Safety & Health

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HAZARDS IN THE WORKPLACES

Physical
- Heat
- Noise
- Radiation
- Mechanical

Biological
- Bacteria
- Virus
- Fungi
- Parasites

Psychosocial
- Work-related stress
- Substance abuse
- Violence/Bullying

Chemical
- Dust
- Fume
- Vapor
- Mist
- Gas

Ergonomics
- Awkward postures
- Manual handling
- Repetitive work
- Vibration

RETURN HOME FROM WORK SAFELY AND WITH DIGNITY
HIERARCHY OF CONTROL

Most effective:
- Elimination: Physically remove the hazard
- Substitution: Replace the hazard
- Engineering: Isolate people from the hazard
- Administrative: Change the way people work
- PPE: Protect the worker with Personal Protective Equipment

Least effective
Is the operation necessary? Can change?

Is there an alternative product/process/operation?

Can we engineer/develop/create/develop something?

What kind of arrangement, SOP, WI, How long? Do they know?

What protective equipment can be provided? Effectiveness?
Do this first

Elimination
If you can do without chemical then get rid of it

Elimination
If there is a safer chemical instead

Engineering Control
Accommodate the hazard

Administrative Control
Signage, training & regulation

PPE
Gloves, masks, etc.

Do this last

Glove Selection for Cyclohexanone