

# Corrective Action Hierarchy

Higher-level controls are more reliable and effective

Eliminate

Eliminate manual handling by automating

95%

Substitute

Replace toxic chemical with safer alternative

85%

Engineering Controls

Add interlock to prevent wrong operation

75%

Administrative Controls

Update procedure, add checklist

50%

Personal Actions

Train operator to be more careful

30%

0

30

60

90

Reliability (% effective in preventing recurrence)