

CHRA 3rd Edition

1 Gather information

- Information?**
- Hazard information (e.g. chemical register, SDS, label)
 - Work site information (e.g. plant location, layout plan, process flow chart, control measures)
 - Work unit information (e.g. workers at risk, SOP, SWP)
 - Exposure information (e.g. air monitoring, biological monitoring)
 - Other OSH info (e.g. medical surveillance program, training program, PPE program, accident & incident records)

2 Divide into work unit

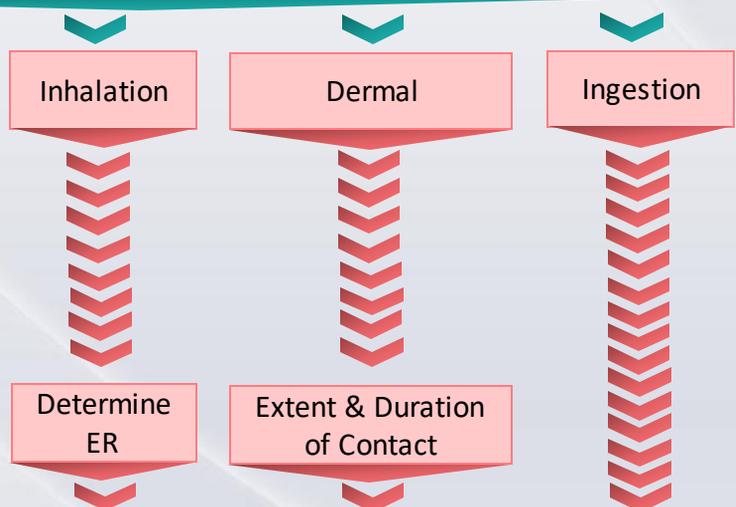
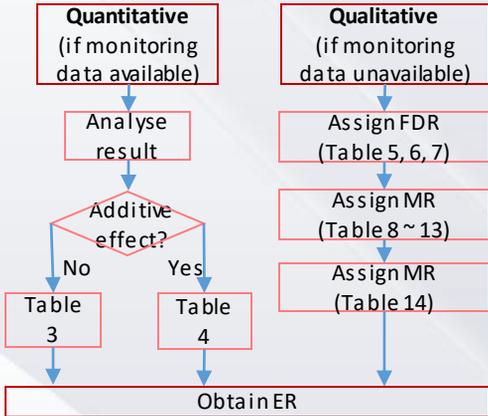
- Work unit?**
- Work unit = group of workers having similar potential for exposure
 - Similar task
 - Similar CHTH
 - Routine entry
 - Non-routine entry

3 Determine degree of hazard for each CHTH in each work unit

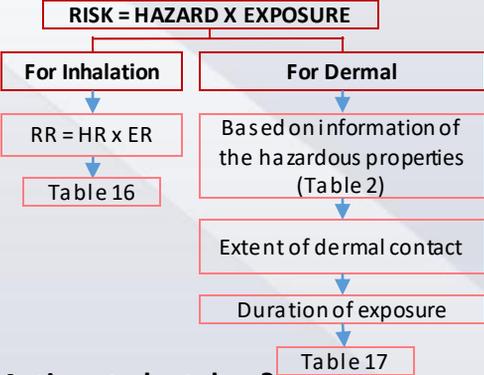
- Degree of hazard?**
- Severity of chemicals health hazard
 - Inhalation – HR ~ refer Table 1
 - Dermal - Hazardous properties relevant to dermal exposure ~ refer Table 2

4 Evaluate exposure from all possible routes of exposure

How to determine ER?



How to determine level of risk?



5 Determine Level of Risk

6 Assess Adequacy of Existing Control Measures

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- Adequacy?**
- Suitability
 - Use & effectiveness
 - Maintenance

7 Conclude Assessment

Actions to be taken?

- Technical control (TC)
- Organizational control (OC)
- Emergency response preparedness (ERP)
- Exposure Monitoring
- Medical surveillance

8 Identify Action To Be Taken

How to determine AP?

Level of Risk	Adequacy of Control	Action Priority (AP)
High	Inadequate	1
HR / ER could not be determined	-	1
Moderate / Low	Inadequate	2
High / Moderate / Low	Adequate	3

9 Recommendation and Assign Action Priority (AP)

- Submit = 1 month** upon completion to employer
- Summary Report:**
 - a. DOSH State Office
 - b. DG (DOSH HQ)

10 Prepare, Present and Submit Report