

Session 12

Safe storage and transport of chemicals

The safe storage of (hazardous) chemicals is another important stage of the lifecycle of chemicals in a company. Chemical storage facilities must meet certain minimum standards to ensure a safe (but also efficient) handling of chemicals to maintain the workers' health and minimize the risk of safety, health and environment. In this session safe storage and different mode of transport is pictured elaborately.

The implementation of this session will require about 1 hour and 5 minutes.

Learning outcomes

At the end of this session, the participants will be able to

1. apply all aspects of good transportation of chemicals
2. plan and apply safe storage of chemicals.

Training materials required

Presentations	Handouts/Worksheets	Reading
PPT 12_ safe storage & transport of chemicals	<u>Workbook session 12</u>	REMC Company Handbook – sections 6.6 and 6.7

Session plan

Time in min	Content/Activity	Reference/Material
5	Introduction <ul style="list-style-type: none">• Present learning outcomes and overview of the session	<i>PPT 12_ safe storage & transport of chemicals</i> <i>slides 1 – 3</i>
20	Presentation - Transportation <ul style="list-style-type: none">• Type of transport of chemicals and waste• Internal transport• External transport	<i>PPT 12_ safe storage & transport of chemicals</i> <i>slides 5-25</i>
25	Presentation - Chemical storage <ul style="list-style-type: none">• Good practices of chemicals storage• Chemical compatibility• Secondary containment• Outdoor storage• Control approaches• Storage checklist	<i>PPT 12_ safe storage & transport of chemicals</i> <i>slides 26-50</i>
20	Group exercise <ul style="list-style-type: none">• What problems may occur if chemicals are not transported safely?• What areas of improvement have been identified in relation to chemical storage and transport? <p>Discuss appropriate actions with your peers.</p>	<i>Workbook session 12</i> <i>PPT 12_ safe storage & transport of chemicals</i> <i>Slide 51</i>

Time in min	Content/Activity	Reference/Material
5	Closing <ul style="list-style-type: none">• Q&A• Summarise key points of the session	PPT 12_ safe storage & transport of chemicals Slides 52-53