CHEMICAL RISK

A REQUIREMENT, A PRIORITY

Dr. Victor SANTOS QUESADA
Medical coordinator – Iberian Region
0. OUR EVOLUTION

Madrid production center
1. INDUSTRIAL PERIMETER

4 work centers
more than 15,000 employees
More than 40 centers and 2,000 employees, spread over 19 cities.
2. OUR METHOD
2. OUR METHOD

SMST

Chemical Risk as axis of the SMST

It is a means of continuous improvement consisting of 5 levels of progress

<table>
<thead>
<tr>
<th>Level 0</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not perceived</td>
<td>Appreciation of existence</td>
<td>Evolution of the way of thinking</td>
<td>Evolution of the way of behavior</td>
<td>Change of habits</td>
<td>Convergence of established culture</td>
</tr>
</tbody>
</table>
3. ACTIONS

S BOX dangerous substances: on-site training in a cabin specially equipped and equipped to boost awareness.
Steps to follow in the Safety Box:

0 - Reception
1 - The chemical risk in our daily life
2 - Introduction to chemistry
3 - The chemistry in our process
4 - Dangerousness
5 - Risks evaluation
6 - PPE
7 - Preventive measures to control risk: technical, organizational and behavioral.
8 - Preventive measures to control risk: technical, organizational and behavioral.
9 - Control measures: measurement plan.
10 - Storage of chemical products
11 - Emergency measures
12 - Game 1: hazard identification
13 - Game 2: labeled
14 - Game 3: classification according to the damage
15 - Napo video
16 - Questionnaire
Steps to follow in the Safety Box:

0 - Reception

Introduction to the subject of training, explaining the objectives

Joint reflection on:
what do we understand about chemical risk?
what happens before exposure to these risks
Effects of pollutants on health and the environment
Steps to follow in the Safety Box:

1 - The chemical risk in our daily life
3. Actions

Key messages:
Classification of matter: mixture and pure substances.

Steps to follow in the Safety Box:

2 - Introduction to chemistry
Key messages:
We can find examples of contact with chemical substances present in various forms at each stage of the car manufacturing process.
Steps to follow in the Safety Box:

4 - Dangerousness

Key messages:
Factors that determine that the risk may cause damage to health, intrinsic risks of the product: corrosive, CMR and physical and chemical characteristics: pH, concentration.
3. Actions

Steps to follow in the Safety Box:

5 - Risks evaluation

Key messages:
CLP Regulation, Safety data sheet and labeling, HSP approval procedure, risk assessment.
Key messages:
Use the defined personal protective equipment.
Skin protection: types of gloves with permeability levels and design differences.
Respiratory protection: types of masks and filters, correct placement of respiratory protection.
Respiratory protection: combined equipment such as integral mask or self-contained breathing apparatus.
Steps to follow in the Safety Box:

7 - Preventive measures to control risk: technical, organizational and behavioral.

Key messages:
Prioritization of collective protection: aspirations, closures, automation of processes.
Organizational measures: zone standards.
Good behavioral practices
Steps to follow in the Safety Box:

8 - Preventive measures to control risk: technical, organizational and behavioral.

Key messages:
Control of contaminants.
Annual measurements plan displayed in the Center.
Types of measurements and measurement equipment.
3. Actions

Steps to follow in the Safety Box:

9 - Control measures: measurement plan.

Key messages:
Medical protocols associated with chemical risk.
HSP homologation: identification of workplace risks, definition of medical protocols to be applied.
3. Actions

Steps to follow in the Safety Box:

10 - Storage of chemical products

Key messages:
- Product incompatibilities
- Good practices to follow in storage
Steps to follow in the Safety Box:

11 - Emergency measures

Key messages:
Emergency Treatment of Exposure
Steps to follow in the Safety Box:

12 - Game 1: hazard identification

Key messages:
Identification of risk phrases with pictograms
Sort in order of danger
3. Actions

Steps to follow in the Safety Box:

13 - Game 2: labeled

Key messages:
Familiarization with the content of commercial labels.
Data required when labeling a substance.
3. Actions

Steps to follow in the Safety Box:

14 - Game 3: classification according to the damage

Key messages:
Improve the perception regarding the consequences.
Steps to follow in the Safety Box:

15 - Napo video
3. Actions

Steps to follow in the Safety Box:

16 - Questionnaire

Quiz: prevención de riesgo químico

¿Usted sabía que se expone a un riesgo químico todos los días? ¿Qué puede hacer para protegerse?

Una sustancia química vendida para el público no es por definición peligrosa. (Pregunta 1/11)

- Verdadero
- Falso
3. ACTIONS
MUCHAS GRACIAS POR SU ATENCIÓN.