

Healthy Workplaces Campaign 2018-19

Manage dangerous substances in the workplace HWC Summit 2019 Bilbao



EU2019.FI







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PARALLEL SESSION 2: GOOD PRACTICES AND INTERVENTIONS

How can we effectively communicate to workers about dangerous substances?



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Employers, managers, supervisors, workers and their representatives need to know about the risks to workers' health in the workplace and how to manage those risks.

Effective communication about them is a challenge.















REACH aims to improve the amount and quality of information available on chemicals and defines new provisions for **communication** throughout the supply chain.

CLP uses this information to help identify accurate classifications and hazard communication for the user.



































REACH and or CLP are not (fully) applicable to some types of substances, for example

- medicines such as cytostatic drugs,
- cosmetics such as hairdressing products, and
- · food and feed stuffs.

Users may then not have access to SDS or labelled chemicals but may receive the information on hazards and safe use from their suppliers in a different form.

hairdressers







0.1.0

REACH and or CLP are not (fully) applicable to some types of substances, for example:

selective collection of solid waste











REACH and or CLP are not (fully) applicable to some types of substances, for example:

deburring



stone cut



some waste



The chemical agents directive specifies that employers shall obtain additional information that is needed for workplace risk assessment from the supplier or other readily available sources.





Under workplace legislation, employers must have an overview of all these risk factors and how they may interact to put workers at risk. They must also consider all the products, even when those are used as intermediaries, stored or transported, and all relevant tasks.

Workers in many modern industrial settings have long faced a multitude of chemical threats to their health and safety-some of them obvious, many more barely perceptible.









It is important to note that hazards depend on how and under which circumstances substances are used at the workplace.





Risk Assessment







Flour dust is not commonly perceived as dangerous, but it may become a **health** hazard to bakers, or may even cause **explosions**.



Manual weighing



Cleaning- Use of vacuum cleaner









The employer's responsibility to ensure that workers and their representatives are informed and trained about:

- hazardous properties of the chemicals;
- the level, type and duration of exposure and the circumstances of work;
- appropriate precautions to safeguard themselves and other workers in the workplace, including what to do if there is an accident (e.g. spillage) or emergency;
- the effect of risk-management procedures;
- relevant occupational exposure limit (OEL) values;
- conclusions to be drawn from any health surveillance and exposure assessment already undertaken.

Source: Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:1998:131:0011:0023:EN:PDF).











The employer shall ensure that workers are aware of changes in processes or substances used.





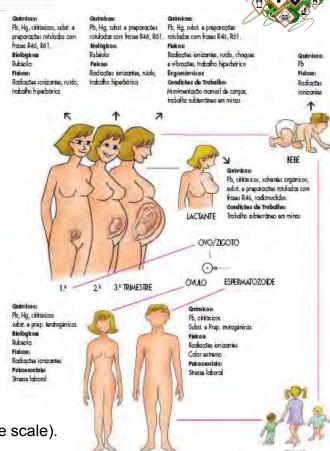
There are specific rules for protecting young people and pregnant or breastfeeding workers and workers who have recently given birth, and for informing them.

for example:

Pregnant and lactating women are kept away from workplaces where the following chemicals are used:

Toxic and

CMR - H340 and H341; H360 and H361; H362 (lactating); H370-H371-H372-H373.





(Note: the drawings are not all on the same scale).

Employers must keep records about exposure and health surveillance of workers who are likely to be exposed to hazardous substances, especially carcinogens and mutagens, and give workers access to their personal data.

for example:

Specific tests to ensure that exposure to substances such as lead, nickel and thiocyanates is controlled.





Member States are entitled to

To Support to Hygiene and Safety Technicians



















GUIDES

Control of Exposure to Chemical Agents Selection of Individual Protection Equipment (PPE) Selection of Protective Gloves - Chemical Hazards Selection of Respiratory Protection Apparatus

SHEETS

Chemical Risk Assessment From Manufacture to Use of Chemicals. A Complementarity of Approaches. Communication of Chemical Risks in the Supply Chain Safety technician at work

Source: (http://www.act.gov.pt/(pt-PT)/Campanhas/Campanhas%20a%20decorrer/REACH/Instrumentosdeinformacao/Paginas/default_aspx)





To Support to Hygiene and Safety Technicians and Medical Surveillance

Technical Guide # 2
Health surveillance of workers
exposed to carcinogens,
mutagens and substances
toxic to reproduction

Integrated Risk Assessment Form





Source: https://www.dgs.pt/saude-ocupacional/referenciais-tecnicos-e-normativos/guias-tecnicos.aspx







To Support to Hygiene and Safety Technicians and Medical Surveillance

Technical Guide # 1 Surveillance of the health of workers exposed to ionizing radiation **GUIA TÉCNICO N.º 1**

Source: https://www.dgs.pt/saude-ocupacional/referenciais-tecnicos-e-normativos/guias-tecnicos.aspx





European Lung Foundation - occupational quiz

http://yourlungsatwork.europeanlung.org/pt/index













10 FACTSHEETS:

ASBESTOS

BENZENE

VINYL CHLORIDE

CHROMIUM VI

FORMALDEHYDE

WELDING FUMES

DIESEL ENGINE EXHAUST

POLYCHYCLIC AROMATIC HYDROCARBONS - PAH

SILICA DUST

HARDWOOD DUST

8 FACTSHEETS:

ACRYLAMIDE

BERYLLIUM

CADMIUM

ETHYLENE OXIDE

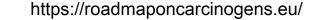
HYDRAZINE

LEAD

NICKEL

TRICHLORETHYLENE



























The European Campaign HWC materials





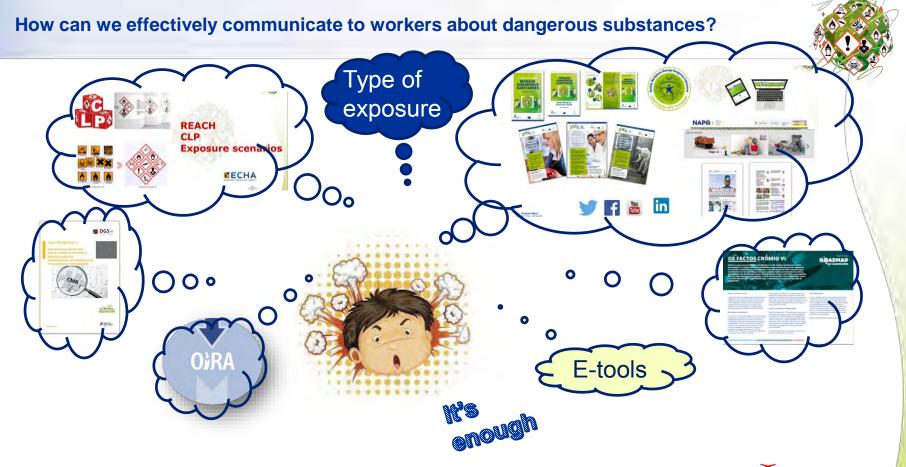






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HOW TO COMMUNICATE WITH THE WORKER?

go to the worker on the **shop floor** and observe his behavior towards dangerous substances

FACE to FACE



OHS expert - worker

continuously and permanently







Install touch screen computer kiosks at various factory sites so that workers and contractors can refer to the SDS. These kiosks must have their own directory for the Occupational Safety and Health System, subdivided into folders.









PREVENÇÃO TÉCNICA



The employer should adjust the recommended measures from the safety data sheets to the specific conditions of each workplace.

Preparation of a summary sheet

Put next to the workstation where this product is used







Conduct weekly or daily activities called "Safety Dialogues", with various topics related to OSH, where the subject of Chemical management is sometimes addressed and discussed.

"Safety Dialogues" are quick meetings of about 10 minutes at the workplace.









360° vision in Hazardous Substances management

Fire safety



Industrial hygiene



Transport of Dangerous Goods

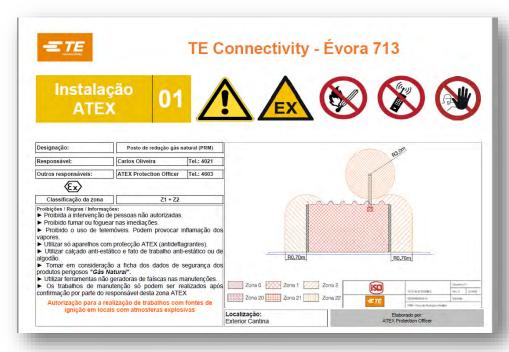
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Occupational Health





There is clear evidence to suggest that SDSs are an ineffective way of communicating information to employees.









Training / Awareness raising / Information

New Employees - 2 hours General Training in Chemical Safety

Workplace - specific training on each chemical used

The supporting document is a Safety Instruction which is ultimately signed on the back.

Specialized training for roles such as ATEX and Fire Prevention or ADR Officer.

The Resp. Department have every 2 years training in EHS Legal Requirements, which always includes the topic of chemical safety.



Specific Training by Chemical Instruction based on Safety Instruction







Do all workers know:

- about the risk assessment of their workplace?
- what hazards they are being exposed to?
- how they may be affected?
- about the results of any exposure monitoring or health surveillance?
- what they have to do to keep themselves and others safe (i.e. how the risks are to be controlled)?
- how to make full and proper use of all the control measures provided?
- how to check and spot when things are wrong and to whom they should report problems and defects with any control measures?
- how to carry out the foreseen maintenance and functionality checks, especially of local exhaust ventilation and other protective devices?
- about preventive and protective measures to be taken in case of maintenance work?
- about first aid and emergency procedures?
- what they should do in the event of an accident, incident or emergency involving hazardous substances?
- how to handle waste?

Are workers involved in regular updates of risk assessment and regularly retrained?





Effectiveness

Changes in product knowledge

Attitudinal changes

Changes in risk perception

Behavioural changes

Changes in cumulative exposure





Training of new collaborators with approach to the theme "Use of Chemical Substances and Preparations", with the viewing of didactic films on the subject.



Host

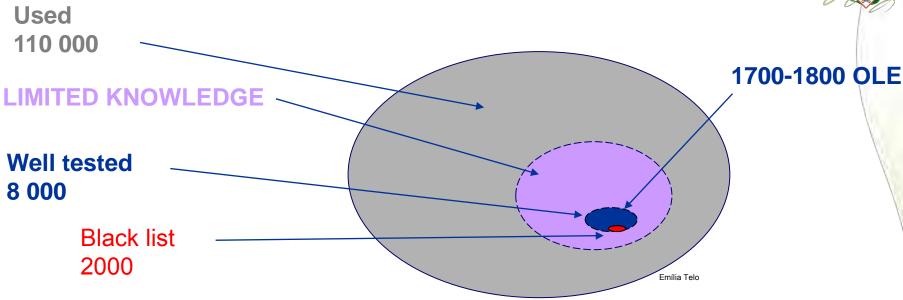
create need and curiosity







8 million chemicals





M • 555 mutagenic (in germ cells) H340 H341

R • 313 reprotoxics H360 H361 H362



















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