



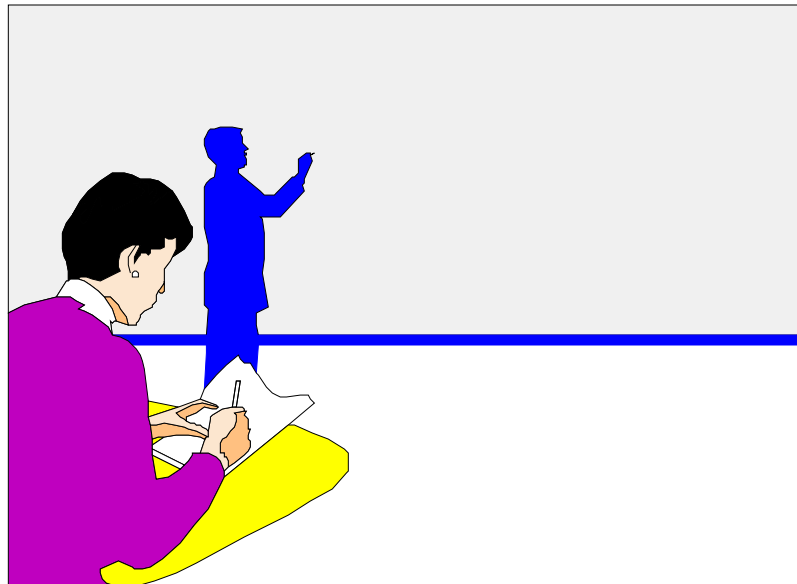
LEAD REGULATIONS, 1991



5/11/2004

Learning Objectives

- **What is Lead**
- **Where do you find it**
- **Measurement and Control of Exposure**
- **Records**



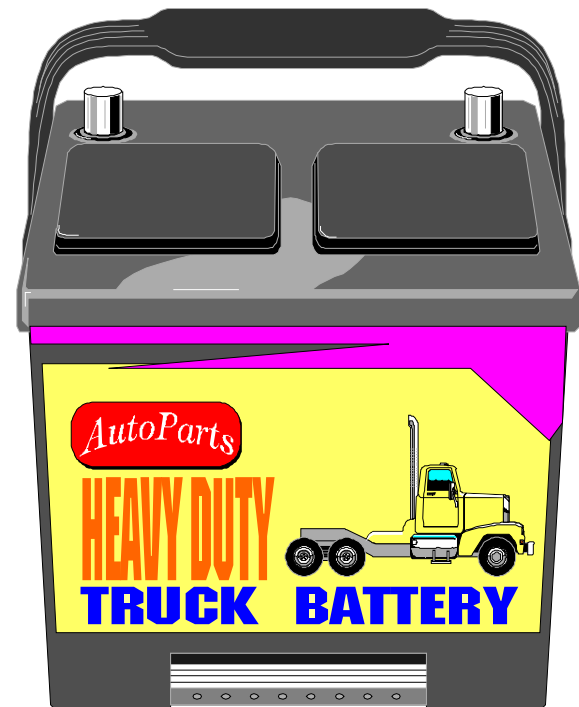
Group Exercise

In groups of 3 – 4 persons, discuss and list examples of lead containing products, and typical industries where you would expect to find lead.



Products and Industries

- **Batteries {Motor Ind.}**
- **Lithographic {Printing Ind.}**
- **Radiators {Motor Ind.}**
- **Paint (lead oxide) {Painting Ind.}**
- **Fishing Sinkers**
- **Explosives {manufacture}**



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Assessment of exposure to lead

Employers are to ensure that

- ☐ **an assessment is made every 2 years to establish potential lead exposure including;**
 - ☐ **methods and procedures used in processing, use, handling or storage of lead**
 - ☐ **extent of exposure of employees**
 - ☐ **measures and procedures necessary to control lead exposure**
- ☐ **Depending on this assessment and static sampling results from an AIA's – the area is declared a respiratory zone or lead area.**

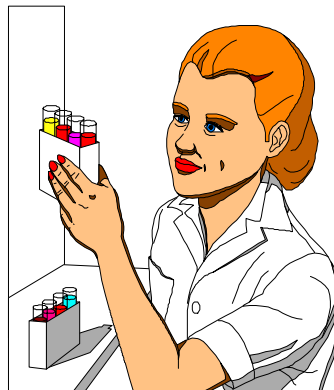
Biological monitoring and medical surveillance

Employer to ensure all employees are under medical surveillance of a designated occupational health practitioner if:

- *employed in respirator or lead area**
- *designated health officer deems it necessary**

Employer to ensure

- *initial medical examination carried out**
- *after 6 months, periodical medical and biological measurement**



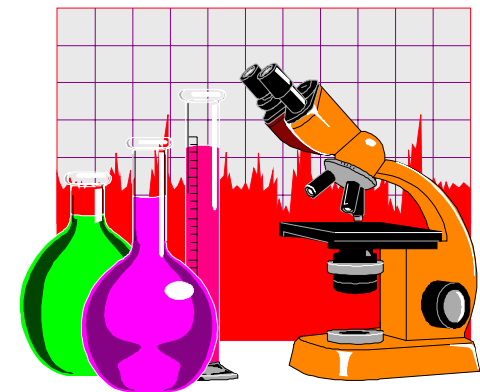
Biological monitoring and medical surveillance

Where biological indices are exceeded, designated occupational health officer to declare employee unfit and removal from a lead or respirator area is required until biological levels have dropped sufficiently.

Such an incident is required to be investigated in accordance with GAR and OHS Act.



5/11/2004



Education and training

Training to include:

- **content of regulation**
- * **potential sources of lead**
- * **potential risks to health**
- * **recognition of symptoms of lead absorption**
- * **precautions necessary**
- * **proper use, maintenance of safety equipment and facilities**



Records



Employers are required to keep

***assessment & measurement records for 3 years which are available for inspectorate and H&S Reps**

*** employees medical and biological results for a period of 20 years for scrutiny by a medical practitioner (permission from employee required) or an inspector**