THE HEALTH AND SAFETY ONLINE 2021

28-29th April, 2021

COSHH COMPLIANCE REDUCING YOUR CHEMICAL-RELATED RISKS

SOUTHALLS A CITATION BUSINESS

HAZARDOUS SUBSTANCES

Meet your speakers

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AIMS AND OBJECTIVES

Does anyone get caught out?

01

02

03

What is COSHH?

Identify all chemicals/substance



Which are hazardous?

04

05

06

Assessment: How to complete an effective COSHH assessment

Applying to management system and process



Chemical safety cases

- Chemical spill in a factory
- Up to 200 litres of a preparation fluid (included hydroflouric acid)
- Issues with clean up
 - Asthma attacks, headaches, etc.
 - RPE wrong filters and no face fit
 - Poor emergency planning and inadequate assessments
- Fined £13, 000 and £9511 costs

- Chemical preparation in a furniture
 - warehouse
- Explosive atmosphere
- No COSHH or DSEAR assessments
- RPE faulty or damaged
- - solvent emissions
- Inspectors served prohibition notice
- Fined £398,000 and £94,404 costs



No controls for wood dusts and





How can businesses get caught out?

- SDS does not equal an assessment
- Failing to properly identify all substances
- By-products
- Biological • Rushing to the bottom of the Poor, out-of-date, information hierarchy of control

- Lack of emergency procedures
- Lack of training
- PPE use





- Wood dust
- Swarf
- Flour dust
- Diesel/process fumes
- Soiled clothing (e.g. care settings)

- Legionella
- Metal working fluids
- Welding fumes
- Coronavirus tests?
- DSEAR (Dangerous Substances and Explosive Atmospheres Regulations)





Doing the COSHH assessment



Assessors' Competence

- Facilities and authority
- Time
- Understand regulations
- Gather information systematically
- Know your limits
- Make a report
- Internal or external?





Five steps to completing a COSHH assessment



Evaluate the risks to health

Decide what controls are needed and how they will be maintained

Record the assessment



Sources of information



- SDS current?
- Observations
- Interviews
- Health data
- HSE
- Industry association
- Trial runs



How do substances affect our health?

- Five main routes of exposure.
- Have these all been considered?









...don't just think about "health"







Hierarchy of control











E.G. PNEUMONIA INOCULATION FOR WELDERS





Assess exposure - questions to consider?



What's been updated?

- Who do I need to protect?
 - Workers
 - \circ Visitors
 - Children
 - Pregnant women
 - Neighbours

- What's the potential to cause harm?
- What's the likelihood of exposure?
- What's the frequency of exposure?
- What are the levels of exposure?





Look out for shortcuts!



- Be honest what
 - "workarounds" might you
 - have used?
- Accident and near-miss records?

• How are things really done?



Records

- Written 5 or more employees
- May need to justify use/omission of a control
- Detail proportionate to risk
- Useful, meaningful, easy to understand
- Needs to be about what you do
- Not what the SDS says should/could be done
- Template does it allow for you to consider the physical hazards too

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COSHH Assessment - Softwood Dust

Date 01/02/2021 Description Of Substance Softwoods are pines, spruces, firs, etc. Dust is generated when saws, etc.	
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Workplace Exposure Limits Substance: softwood dust LTEL (8hr TWA ppm): - LTEL (8hr TW/ - STEL (15min ref.period mg/m3): -	1 mg/m3):
Task / Activity The cutting to length/size, using cross cut, table saw, panel saw	s, etc. for
Suppliers Name & Address Various	
Risk / Hazard Phrase N/A	
Safety / Precaution Phrase See comments box below.	
Telephone / Fax No's N/A	
MSDS Attached No	

SUBSTANCE PROPERTIES



ROUTE OF EXPOSURE





these, using cross-cuts, panel

n3): 5 STEL (15min ref. period ppm):

for customers.

ROUTE OF EXPOSURE PERSONS AT RISK 🗹 Eyes Inhalation 🗹 Skin Members of Public 🗹 Other Workers Visitors Young Persons PPE REQUIREMENTS S **GENERAL REQUIREMENTS** General Precautions • All employees, doing the cutting, are trained in how to use the saws correctly, including ensuring that blades are sharp. They are aware of how the LEV works and its day-to-day maintenance. • Operators are trained to use RPE. • Mills kept clean and tidy Control Measures • Only authorised persons are allowed, in the mill areas, when cutting is taking place. • Saws are maintained in accordance with the manufacturer's instructions. • Operators check for obvious damage before every use. • RPE is maintained in accordance with the suppliers' instructions (or disposed of at the end of their shift if single use) • RPE is kept clean and stored in a clean place. • Gloves selected that will offer protection against dermatitis, but will also detach from the hand in case of entanglement. First Aid / Hygiene First aid Skin - clean with warm water and a mild skin cleanser. Provide pre-work creams and barrier creams. Seek medical help if Arrangements rash, irritation or dermatitis develop/persists. Inhalation - Remove to fresh air if respiratory symptoms are experienced. Seek medical help if persistent irritation, severe coughing, breathing difficulty or other serious symptoms occur. Hygiene • No eating or drinking in the mill • Handwashing facilities on site.



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- What to monitor?
- When?
- Do you need specialist help?
- Environmental
- Exposure
- Set up a regime
- Health surveillance
 - Dusts
 - Fumes
 - Carcinogens
 - Biological agents
 - Solvents
- Communicate!

- Set targets
- WEL or in-house?
- Might already be monitoring?
- LEV reports
- Safety tours
- Maintenance records
- Accident and ill-health data
- Sickness and absence records

Monitoring



Training and Competence



Information, instruction & training

- Use information from SDS (WEL, storage, transport, hazard signage and use) • Use information gathered from assessment (Hazards/Controls) Develop SOP/SSOW (How & Why processes are controlled) • Make it clear and easy to understand (use pictures of procedures) • Highlight significant risks (when storing/transporting, dosing/using) • Quiz/Test to show trainees understanding of safe procedure

- Regular updates/refreshers

Being trained does not make you competent.









Use the COSHH assessment/training to verify



Regular Internal/external auditing



On the job competency/observations



Overall management of the H&S management system

Can you evidence that the controls/training/good practice are being followed and are effective?





Questions?

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We've dedicated health and safety consultants who love making a difference for our clients. Talk to us today.

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