



Chemical Hazards
Communication Society

Chemical Hazard Communication after REACH

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IOSH Conference 2008
The International Centre, Telford
March 19, 2008



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REACH

- **R**egistration
- **E**valuation
- **A**uthorisation
- **C**hemicals

REACH came into force – 1 June 2007



GHS

- Global context
 - Developed by UN
 - Harmonising international regulations for supply & transport class'n and labelling
- EU context
 - To be implemented 'on the back of' REACH
 - Requires new EC CLP Regulation



Regulatory Reform

From Europe

- DSD
- DPD
- SDS
- RMUD

Implemented in the UK through

- NONS, CHIP and CDS&PR



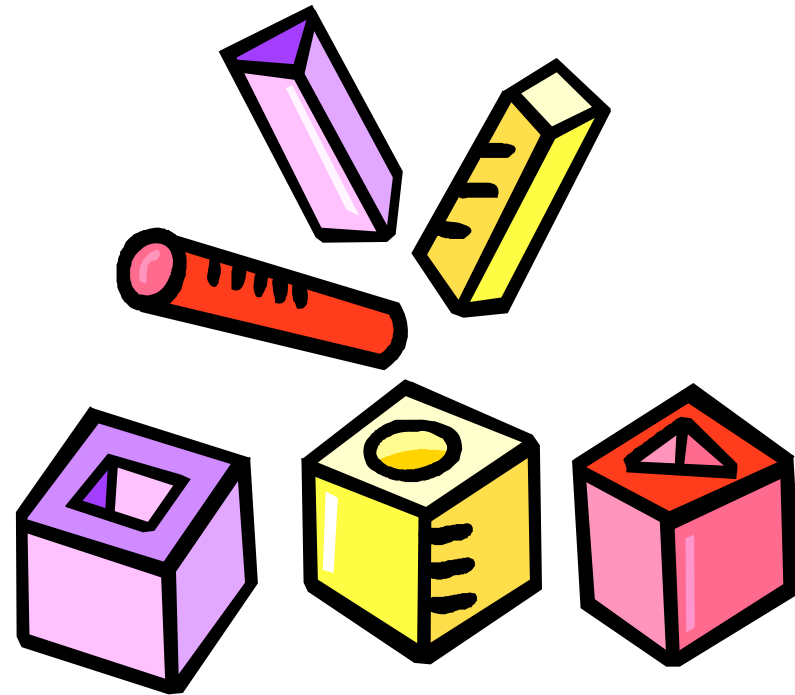
Specific Issues

- REACH
 - Safety data sheets
 - Chemical Safety Reports
 - Substances in articles
 - Implementation of GHS
- GHS
 - Globally harmonised system for product classification and labelling



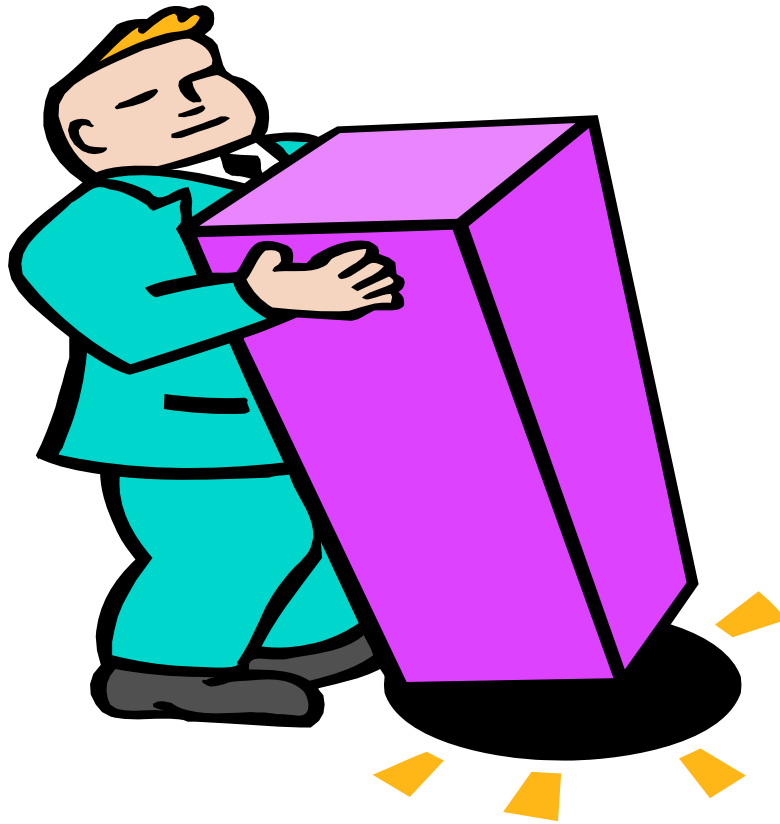
Elements of the GHS System

- Hazard classification
- Label elements
 - Signal words
 - Pictograms
 - Hazard statements
 - Precautionary statements
- Notification
 - Product registration





GHS v EU Systems



- EU has elements not in GHs
 - ozone depletion
 - tactile warning
 - child proof caps
- GHS has elements not in current EU system
 - signal words



Example - Toxicity

Acute Toxicity - Oral

EU	T ⁺ R28	T R25	Xn R22				
LD ₅₀	≤5	5-25	25-50	50-200	200-300	300-2000	2000-5000
GHS	Cat 1	Category 2	Category 3		Category 4	Category 5	



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Example - Acetone

EU

F: Highly flammable

Xi: Irritating to eyes,
Repeated exposure may
cause skin dryness or
cracking, Vapours may
cause drowsiness and
dizziness



GHS

Danger: Highly flammable
liquid and vapour

Warning: Causes serious eye
damage

Warning: May be harmful if
inhaled

Warning: May cause
drowsiness and dizziness





Transition to GHS

- From DOCIF **can** use GHS class'n in SDS but this must be in addition to the 'old' DSD/DPD class'n
- From Jan 2010 to Dec 2015 SDS **must** show both the 'old' DSD/DPD class'n and the new GHS class'n
- From Dec 2015, GHS only



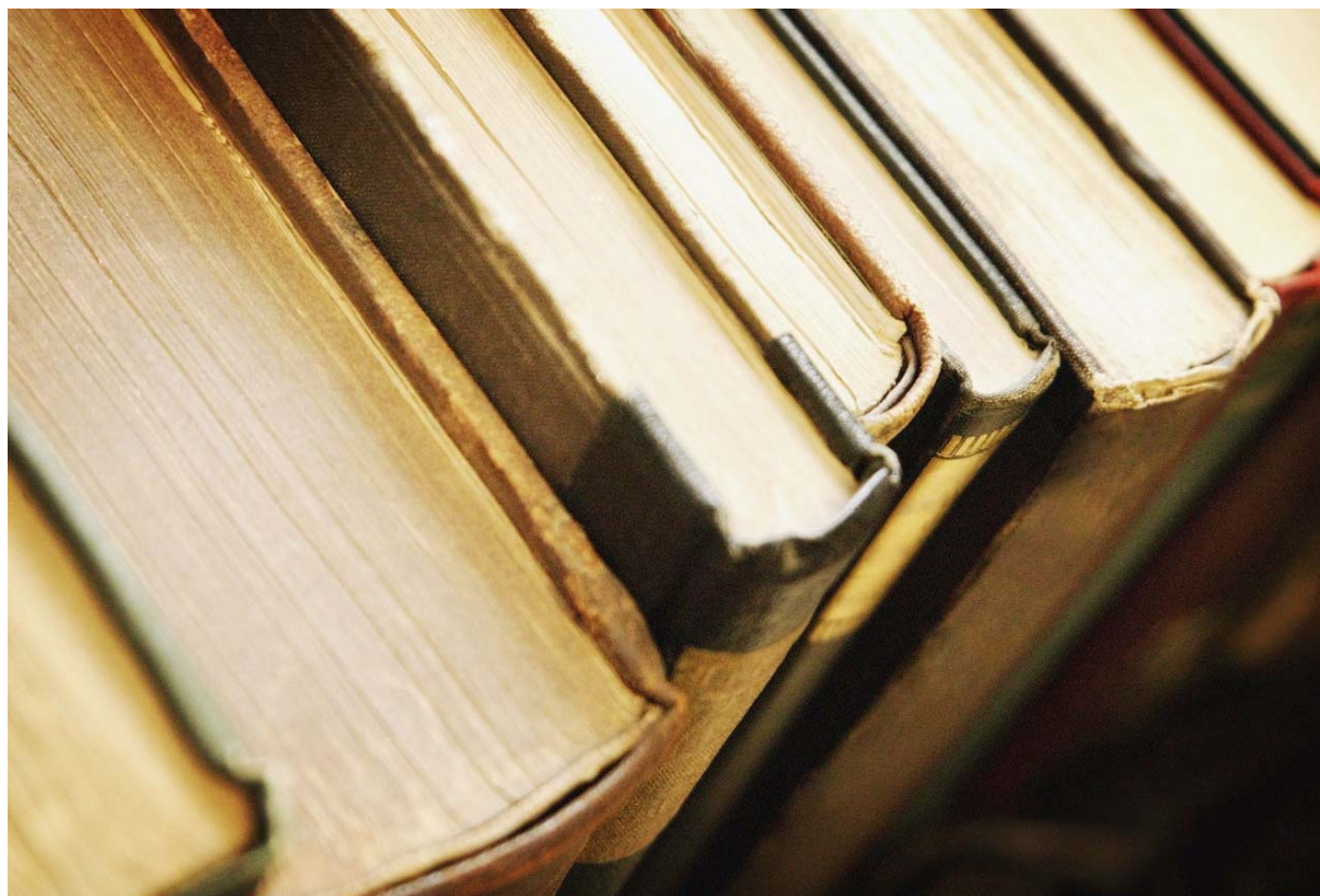
Safety Data Sheets

- Change to GHS format, add email address and identified uses
- Add exposure scenarios and risk management measures (DNEL and PNEL)
- Add information for registration, authorisations and restrictions
- Change to GHS symbols & phrases
- Add more information e.g. waste disposal



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Chemical Safety Reports





Substances in Articles



Paint
in pot



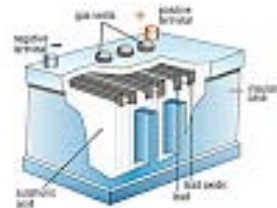
Spray
can



Fire
cracker



Thermo-
meter





Car
battery



Smelling
eraser



It's Getting Better	
Customers	
	Suppliers
It's Getting Worse	



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For membership advice, information and training

- www.chcs.org.uk
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