

2010/SOM1/CD/WKSP/008 Agenda Item: Mid-Morning Session

Implementation of GHS in Singapore

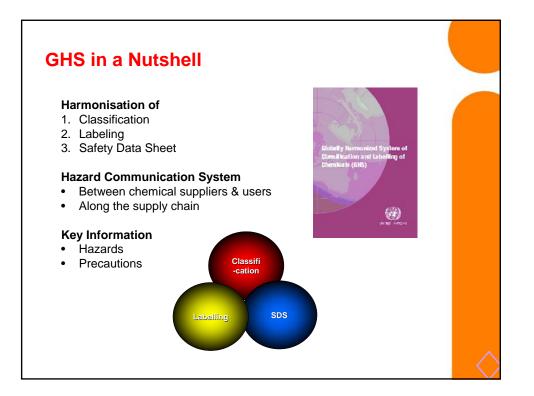
Submitted by: Singapore



Case Study Workshop on the Chemicals Sector – From Principles to Practice Hiroshima, Japan 1-2 March 2010







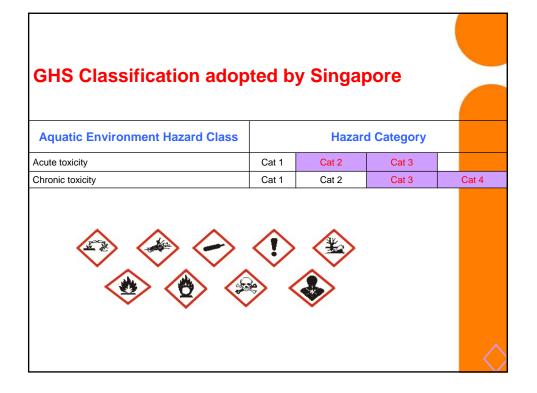




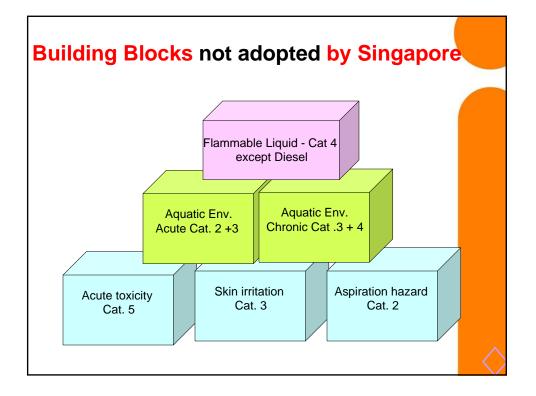


Physical Hazard Class		F	Physical Ha	zard Cate	gory		
Explosive	Unstable Explosives	Div 1.1	Div 1.2	Div 1.3	Div 1.4	Div 1.5	Div 1.6
Flammable gases	Cat 1	Cat 2					
Flammable aerosols	Cat 1	Cat 2					
Oxidizing gases	Cat 1						
Gases under pressure	Compressed Gas	Liquefied Gas	Refrigerated Liquefied Gas	Dissolved Gas			
Flammable liquids	Cat 1	Cat 2	Cat 3	Cat 4 (exception of Diesel.)			
Flammable solids	Cat 1	Cat 2		Note: The categories hig	hlighted are not requ	iired in Singapor	e.
Self-reactive substances and mixtures	Туре А	Type B	Type C & D	Type E & F	Type G		
Pyrophoric liquids	Cat 1			•		,	
Pyrophoric solids	Cat 1						
Self-heating substances and mixtures	Cat 1	Cat 2					
Substances and mixtures which, in contact with water, emit flammable gases	Cat 1	Cat 2	Cat 3				
Oxidizing liquids	Cat 1	Cat 2	Cat 3				
Oxidizing solids	Cat 1	Cat 2	Cat 3	1			
Organic peroxides	Туре А	Туре В	Type C & D	Type E & F	Type G		
Corrosive to metals	Cat 1			•		,	

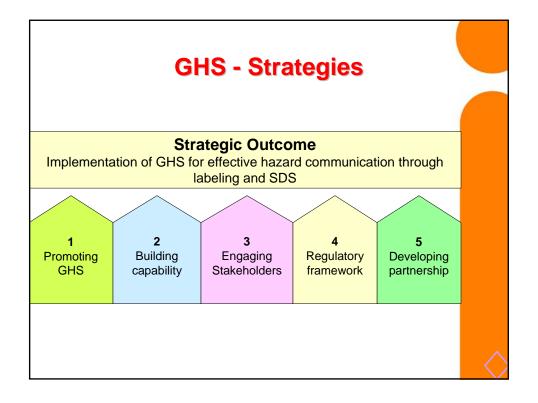
Health Hazard Class		Health Ha	zard Cate	gory	
Acute toxicity	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5 – not adopted
Skin corrosion/ irritation	Cat 1A	Cat 1B	Cat 1C	Cat 2	Cat 3- not adopted
	Cat 1- m	erged Cat 1A, 1B	, 1C		
Serious eye damage/		Cat 2A	Cat 2B		
eye irritation	Cat 1	Cat 2- merged 2B			
Respiratory or skin sensitization	Respiratory Cat 1	Skin Cat 1		1	
Germ cell mutagenicity	Cat 1A	Cat 1B	Cat 2		
Carcinogenicity	Cat 1A	Cat 1B	Cat 2		
Reproductive toxicity	Cat 1A	Cat 1B	Cat 2	Lactation	
Specific target organ toxicity - single exposure	Cat 1	Cat 2	Cat 3		
Specific target organ toxicity - repeated exposure	Cat 1	Cat 2		-	
Aspiration hazard	Cat 1	Cat 2 – not adopted			



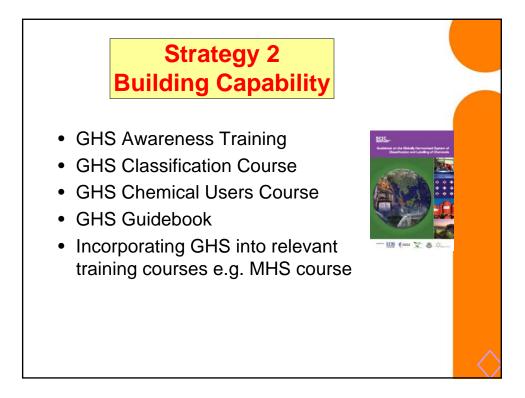
		Our Gl	HS Journ	ey	
2002	2005	2006	2007	2008	2009
•	•	٠	•	•	•
Endorse- ment by APEC	Formation of GHS Task Force	Align- ment of Law	GHS Capability Building	Launch of SS 586 GHS GHS Road map GHS Guidebook	GHS Leaflets GHS Virtual Expert Group









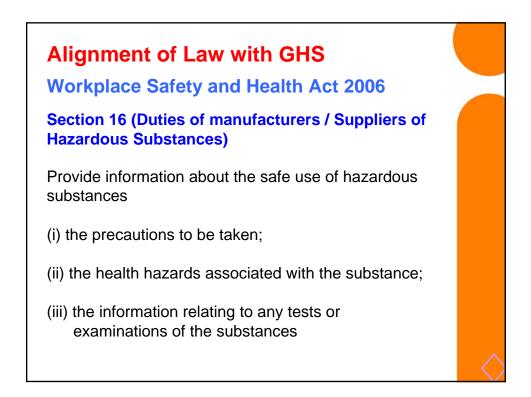


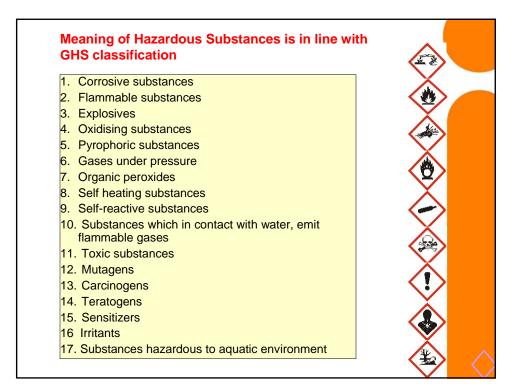


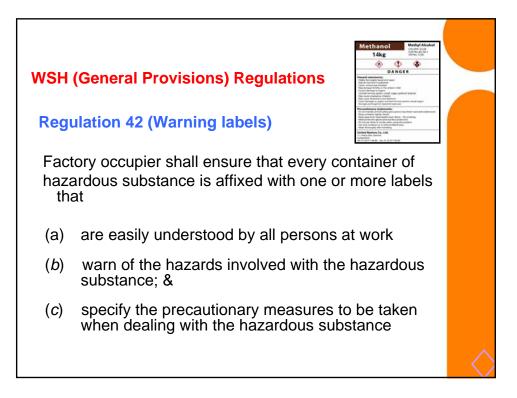


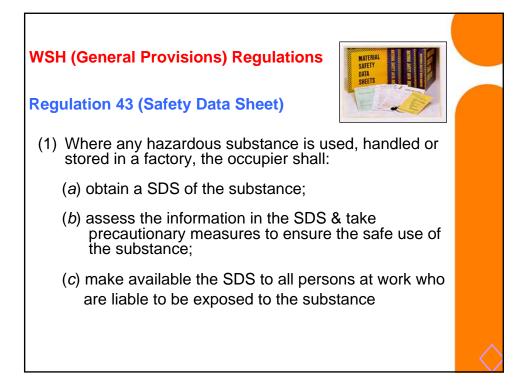


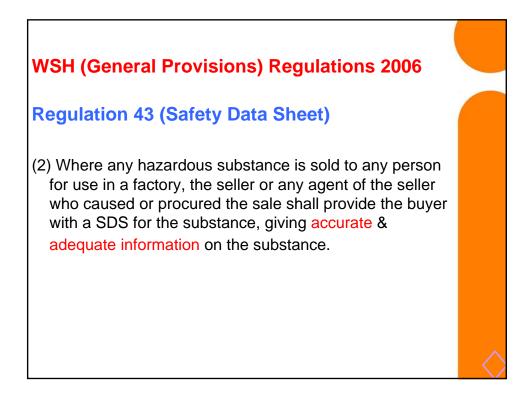
Implementatio	on Phases	Classifi -cation Labelling SDS
Phase	Target Group	GHS focus
Phase 1A 2008 to 2010	Chemical manufacturers / suppliers	Single chemicals GHS SDS & Label
Phase 2A 2008 to 2011	Users of chemicals	Single chemicals GHS Label
Phase 1B 2008 to 2012	Chemical manufacturers / suppliers	Mixtures GHS SDS & Label
Phase 2B 2008 to 2013	Users of chemicals	Mixtures GHS Label

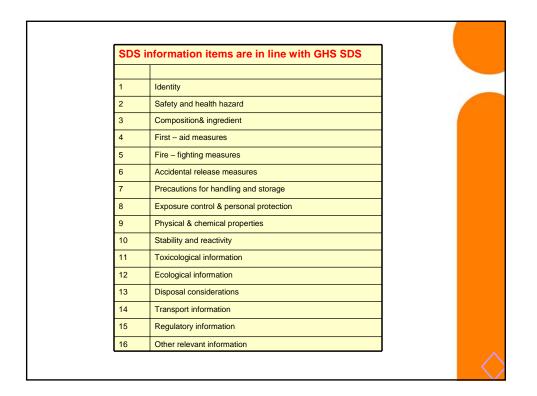


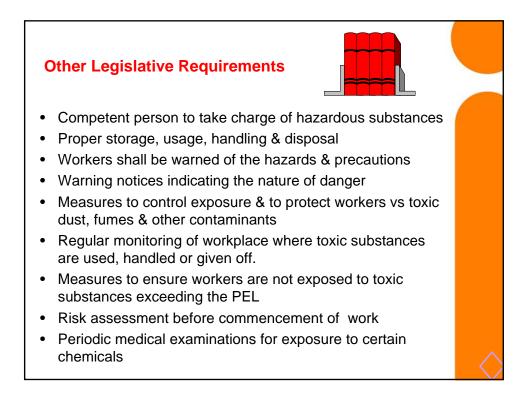














Fire Safety Act Fire Safety (Petroleum & Flammable Materials) Regulations

- A licence is required to import, transport & store petroleum & flammable materials above the exemption quantity.
- Petroleum (flash point below 61C), diesel & 237 flammable chemicals & their mixtures are subjected to licensing control.
- Vehicle transporting, container containing & premises storing regulated petroleum & flammable materials must be labelled in accordance with SS 586 for hazard communication
- SS 586 requires individual container (e.g. drum, package) for transportation & storage of hazardous chemicals be labeled in accordance with GHS; vehicle transporting & premises storing hazardous chemicals be provided with Emergency Information Panel.



