Clobally Harmonized System of classification and labelling of chemicals (GHS) – Singapore's Implementation Veronica Chow 3 n A Director (Occupational Hygiene) OSH Specialist Department OSH Specialist Department

e GHS & Hazardous Chemical Management Programme

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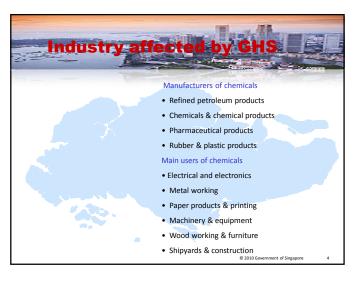
- Singapore GHS Building Blocks
- Competent Authorities & Stakeholders
- Legislative requirements
- Strategies & Roadmap

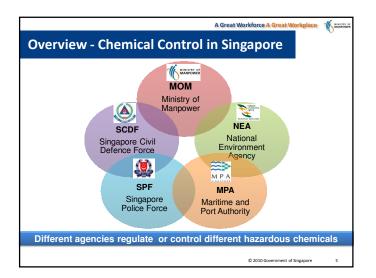
scope

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• Journey & Milestones







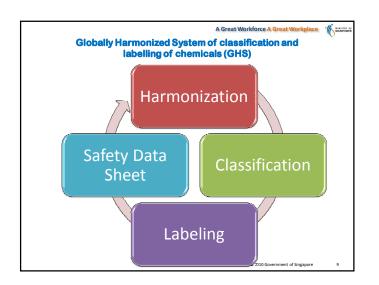


Legal responsibilities of chemical user

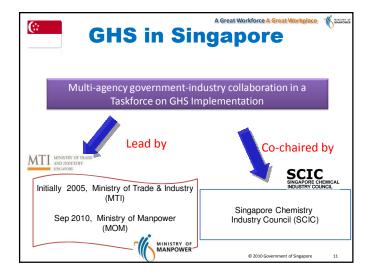
- Workplace Safety and Health Act (WSHA)
 WSH (Risk Management) Regulations
 - WSH (General Provisions) Regulations
- Environmental Protection and Management Act (EPMA)
 - EPM (Hazardous Substances) Regulations
- Environmental Public Health Act (EPHA)
 EPH (Toxic Industrial Waste) Regulations
- Fire Safety Act
 - Fire Safety (Petroleum & Flammable Materials) Regulations

• etc





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GHS in a Nutshell	MANFOWER
Key Information	
Hazards	
Precautions	
Purpose	
 Protect human & the environment 	
Facilitate trade	
Hazard Communication System	
Between chemical suppliers & users	
 Along the supply chain 	
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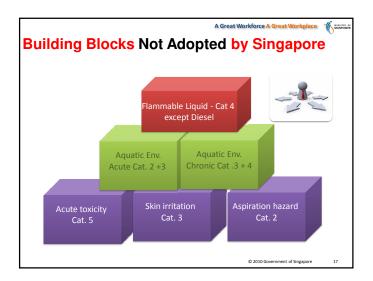
 provides access to a Responsible Care section where guiding principles and codes of management practices are published together with implementation framework for SCIC's member companies.

Responsible Care



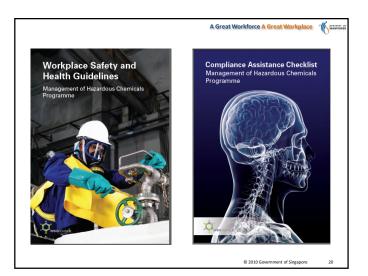
Singapor	e's implementation	h plan
Visi	on: Safe use of chemicals	
	e: n of GHS for effective hazard ng and safety data sheets	communication
	Promoting GHS	
5 Strategies	Building capability in GHS	
	Engaging stakeholders	
	Establishing an effective regulatory framework	
	Developing strong partnerships locally and internationally	
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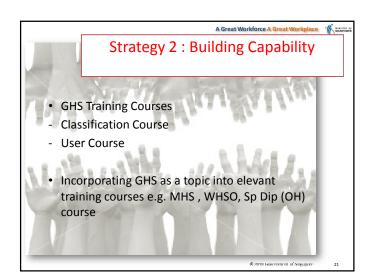




iolace realth	A Great Workforce A Great Workfolac Workplace Health Strategy					
WSH	4 STRATEGIES					
Implementing Targeted Intervention Programmes	Monitoring and Intelligence Gathering	Research and Standards Development	Promotion of Good Practices			
Areas of Work Four Key programmes (i) neisy work (ii) hazardou: chemical (iii) abaetos (iv) confinad space (iv) confinad space - Developing and prescribing appropri- standards - Providing complianc assistance - Deepening capabilit to monitor and contr hazards - Educating and engaging amployees - Targated enforceme	collection - Enhancing and expanding monitoring programmes te - Enhancing inks between edisting database - Strengthening links with WSH-related organisations	Areas of Work Established hazards • Breview existing exposure standards • Develop improved tods and processes to workers Emerging hazards • Working with industry and relevant a conomic appropriate standards and control solutions	Areas of Work • Iolisits approach towards workplace health promotion • Crasting business • Carooung business • Encouraging employees to take person to t			

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Hazard Communication in an inte	gral part of
Hazardous Chemical Safety Mar	nagement
Policy and strategy	mat the
Selection and procurement	
Register of chemicals & Safety Data Sheet	
Labeling & Warning Signs	
Storage & Transportation	
Risk assessment & Control	
• safe work procedure & PPE	
Workplace monitoring & Medical Surveillance	Commenced
Information & Training	
• Emergency planning & First Aid procedures	
Waste disposal	
• Contract Work (if any)	
• Programme Review and Audit	19





Strategy 3 : Engaging Stakeholders

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1 MANP

- Industry Dialogues
- Licensees of hazardous and flammable
 substances
- National GHS Seminars
 - chemical manufacturers & suppliers
 - users of chemicals
 - others







atest 011 Re	A Great Workforce A Great Workglace 🌾 evised Draft GHS Implementation Deadlines			
Phase	Deadline	Target Industry	Requirement	
1A	Feb 2012	All Chemical Manufacturers & Suppliers	Preparation of GHS SDSs & Labels for Single Substances.	
2A	End 2012	All Users of Chemicals	GHS Labelling of Containers for Single Substances.	
1B	Mid 2015	All Chemical Manufacturers & Suppliers	Preparation of GHS SDSs & Labels for Mixtures.	
2B	Mid 2015	All Users of Chemicals	GHS Labelling of Containers for Mixtures	
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