



CURRENT STATUS ON CHEMICAL MANAGEMENT IN MALAYSIA



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Presentation Outline

1. Background on Chemical Management in Malaysia
2. Strengthening Chemical Management in Malaysia
3. Eleventh Malaysia Plan (2016-2020)
4. Environmentally Hazardous Substances Notification and Registration (EHSNR) Scheme



Background

- Many chemical substances and products are currently put into market in Malaysia
- As a result, there is an uncertainty on types of chemicals used in a wide range of consumer products and other products
- Large percentage of existing chemicals have not been assessed



Background (cont.)

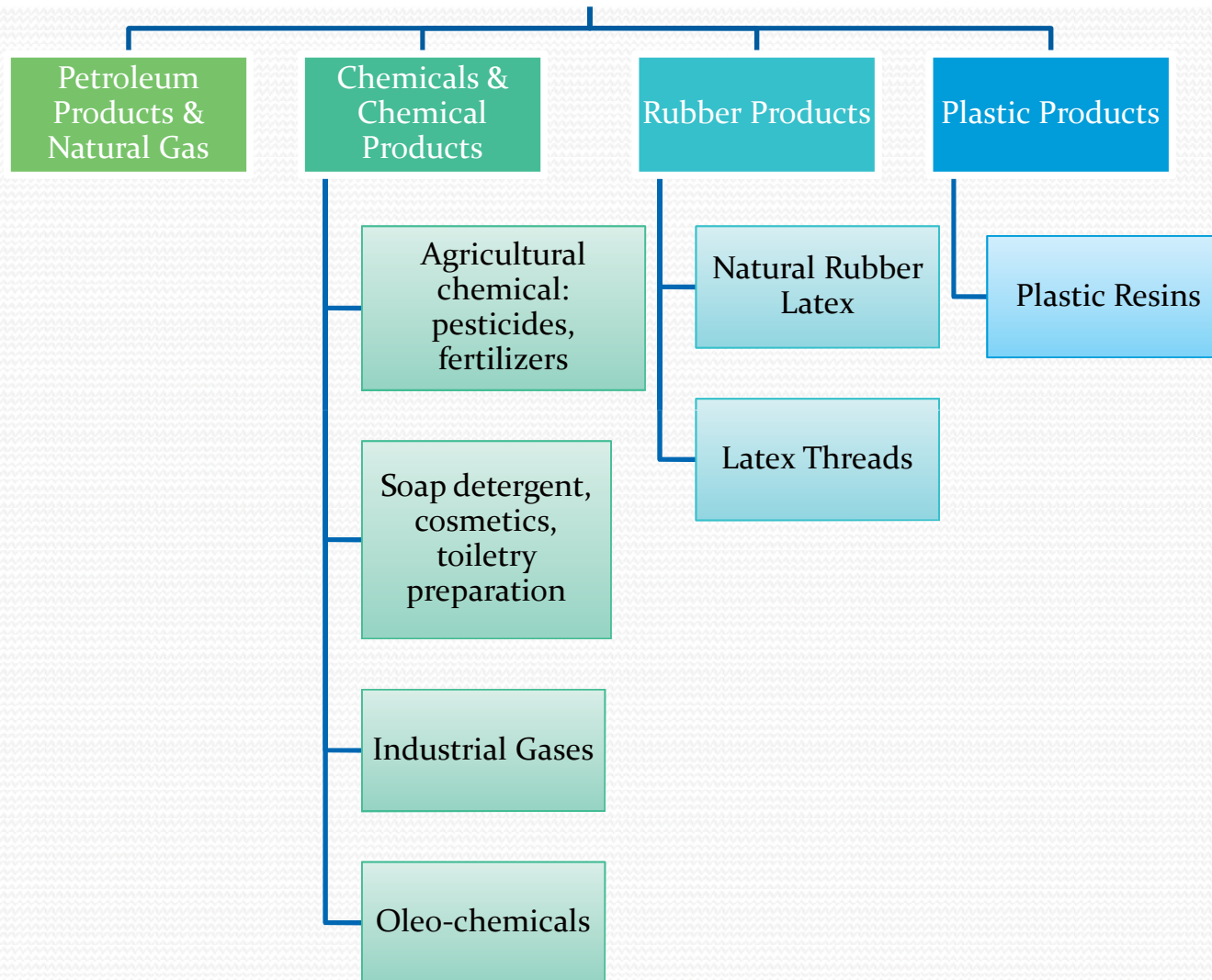
- Government is concerned about human and environmental exposure from toxic substances and unregulated chemicals used in a wide range of chemical products
- Continued use of chemicals with inherently dangerous properties such as carcinogens, mutagens and reproductive toxicants and substances dangerous for the environment
- Long term persistence and accumulation of many chemicals in eco-system and humans



Goals of Chemical Management

Malaysia, as a developed nation by the year 2020, should ensure that chemicals are produced and used in ways that minimize the risk and significant adverse impacts on the environment and human health with cross-sector commitment by all stakeholders to coordinated approaches and common principles in the adoption and strengthening of good practices for safe and ecologically sustainable chemicals management.

Malaysia's Chemicals Industry and Main Sectors



DOE premises inventory

Petroleum Products & Natural Gas

- 439 premises

Chemical and chemical products

- Agricultural chemical: pesticides, fertilizers: 565 premises
- Soap detergent, cosmetics, toiletry preparation: 247 premises
- Industrial Gases: 7 premises
- Oleo-chemicals: 198 premises

Rubber products

- Natural Rubber Latex: 106 premises
- Latex Threads (synthetic): 936 premises

Plastic resin and products

- 1,936 premises

Challenge and Gaps

- Legal Framework for Chemical Management - there is NOT one legal Act (instead of many and not coordinated) which exist to provide a mandate for sustaining sound chemical management in Malaysia in a holistic and integrated manner
- Institutional Coordination – fragmented framework and need to enhance coordination among agencies
 - a) Existing regulations provide chemical management on sectoral basis and are subject to the specific management.
 - b) Each agency have their own legislation and control their chemicals with the specific objectives.
 - c) Overlapping and gaps of some regulation or regulatory scope such as lack of regulation on transportation of chemicals.

Challenge and Gaps

- Information on Chemicals - not adequately collected and compiled to allow for their use in the management of chemicals; e.g. risk assessment
 - a) The industry needs to provide more information about the hazardous properties of the chemicals contained in their products.
- Management of Chemicals – some industries, SMI, do not manage chemicals in a safe and sustainable way
 - a) There is no one stop agency that in charge for chemicals notification system in Malaysia.
- Capacity to Manage Chemicals – lack of knowledge, skills and manpower to manage the different aspects of chemicals

Challenge and Gaps (cont.)

- Awareness About Chemicals - lack of awareness among stakeholders, particularly the small and medium scale industries, on safe and sustainable way of managing chemicals: consumers, etc
- Financial resources – for a sound chemical management to be in place, an adequate funding is essential. This to ensure the strategies and action plan are implemented effectively.

CHEMICAL MANAGEMENT IN MALAYSIA

Related Legislation and Agencies

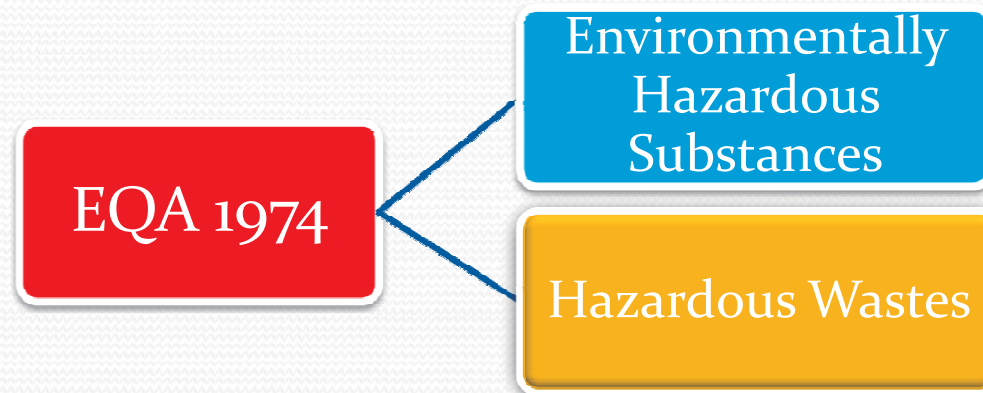
Substance & Jurisdiction	Ministries	Agencies	Legislation
Import, export, sales and trades – Petroleum & petroleum products	Ministry of International Trade and Industries	-	Petroleum (Safety Measures) Act 1984
Import & exports	Ministry of Finance	Royal Malaysian Customs	Customs Act 1967
Industrial Chemicals	Ministry of Human Resources	Department of Safety and Health	Occupational and Safety Health Act 1994
Pharmaceutical, drugs, some consumer products	Ministry of Health	Pharmaceutical Services Division	Poison Act 1952 Dangerous Drugs Act 1952 Food Act 1983

CHEMICAL MANAGEMENT IN MALAYSIA

Related Legislation and Agencies

Substance & Jurisdiction	Ministries	Agencies	Legislation
Pesticides	Ministry of Agriculture and Agro-chemicals	Department of Agriculture	Pesticides Act 1974
Consumers Product	Ministry of Domestic Trade, Co-operative and Consumerism	-	Consumer Protection Act 1999 (Safety issues not chemical content)
Chemical Weapon (Chemical Weapon Convention)	Ministry of Foreign Affairs	-	Chemical Weapon Convention Act 2005
Hazardous Waste (Scheduled Wastes)	Ministry of Natural Resources and Environment	Department of Environment	Environmental Quality Act 1974

Environmental Quality Act 1974



- In the EQA 1974, chemical defines “environmentally hazardous substances means any natural or artificial substances including any raw material, whether in a solid, semi-solid or liquid form, or in the form of gas or vapour, or in a mixture of at least two of these substances, or any living organism intended for any environmental protection, conservation and control activity, which can cause pollution”

Development of National Policy on Chemical Management

9th Malaysia Plan

10th Malaysia Plan

11th Malaysia Plan

Ninth Malaysia Plan

(2006-2010):

- Adoption of a global harmonized system for the registration of imports, transportation and a safe handling of chemical and hazardous substances. (MITI)
- Approaches and technologies to treat and convert toxic wastes into a resource for reuse. (DOE)
- Appropriate incentives for the proper management of hazardous chemicals. (CICM)
- Steps to address the indiscriminate use of chemicals, particularly in agricultural practices, will be intensified. (DOA)

Tenth Malaysia Plan

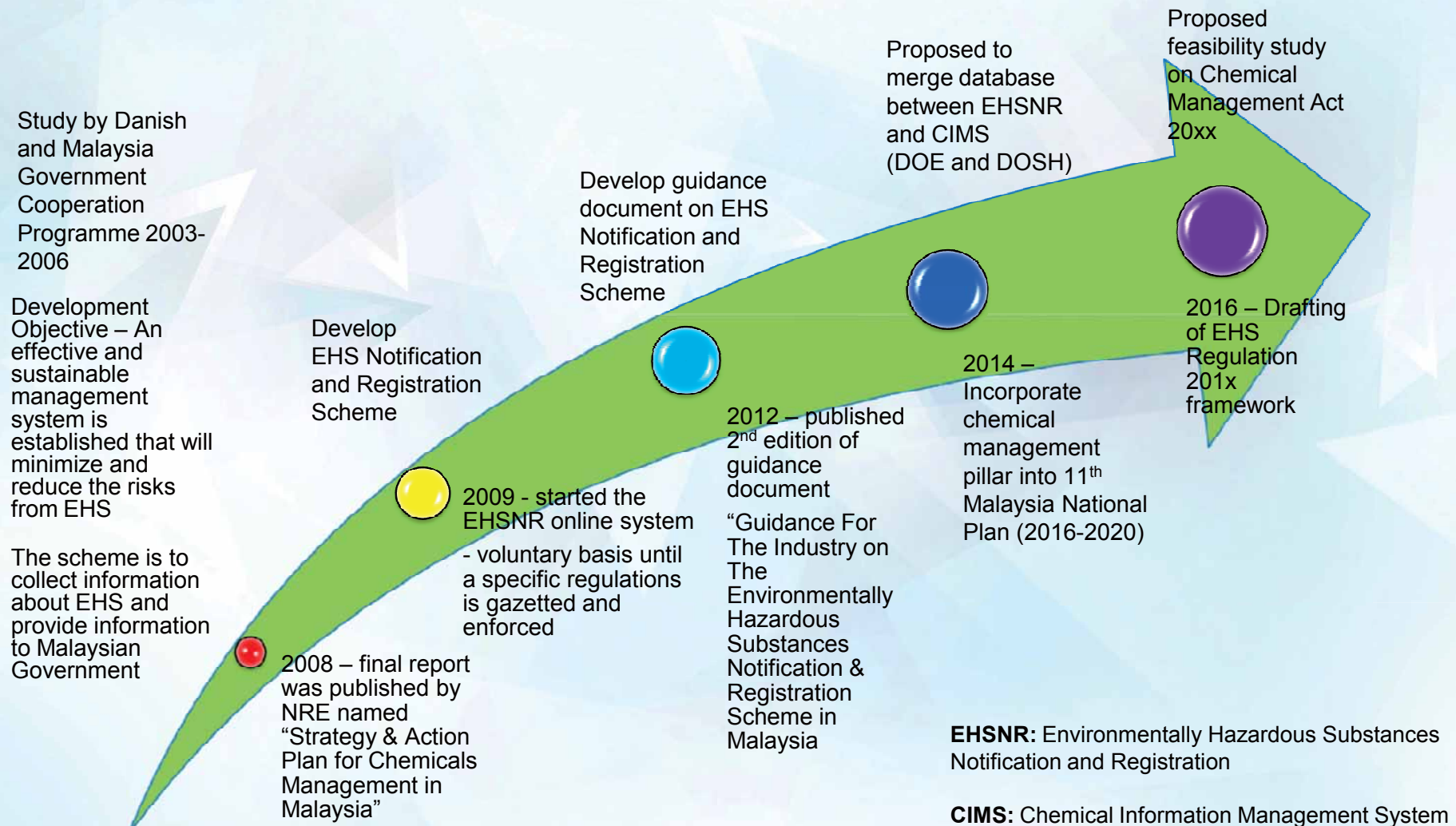
(2011-2015):

- Government will continue efforts to improve the efficiency and effectiveness of waste management (JPSPN and DOE)
- Increase awareness among public and educate them of the importance to reduce, reuse and recycle of waste (all stakeholders)

Eleventh Malaysia Plan (2016-2020):

- 6 strategies proposed to integrate and strengthen chemical management framework system in Malaysia

DOE ROLES IN TRANSFORMATIVE OF CHEMICAL MANAGEMENT IN MALAYSIA



Local Action
by DOE



Cooperation
with all
stakeholders



International
Participation
in MEAs



Strengthening
Chemical
Management

Local Action by DOE

- Preliminary drafting of EHS regulations framework
- Merging platform for database system between EHSNR (DOE) and CIMS (DOSH)
- Review guidance document on EHS Notification and Registration Scheme
- Awareness and Hands on Training for industries
- Enhancement of the EHS website



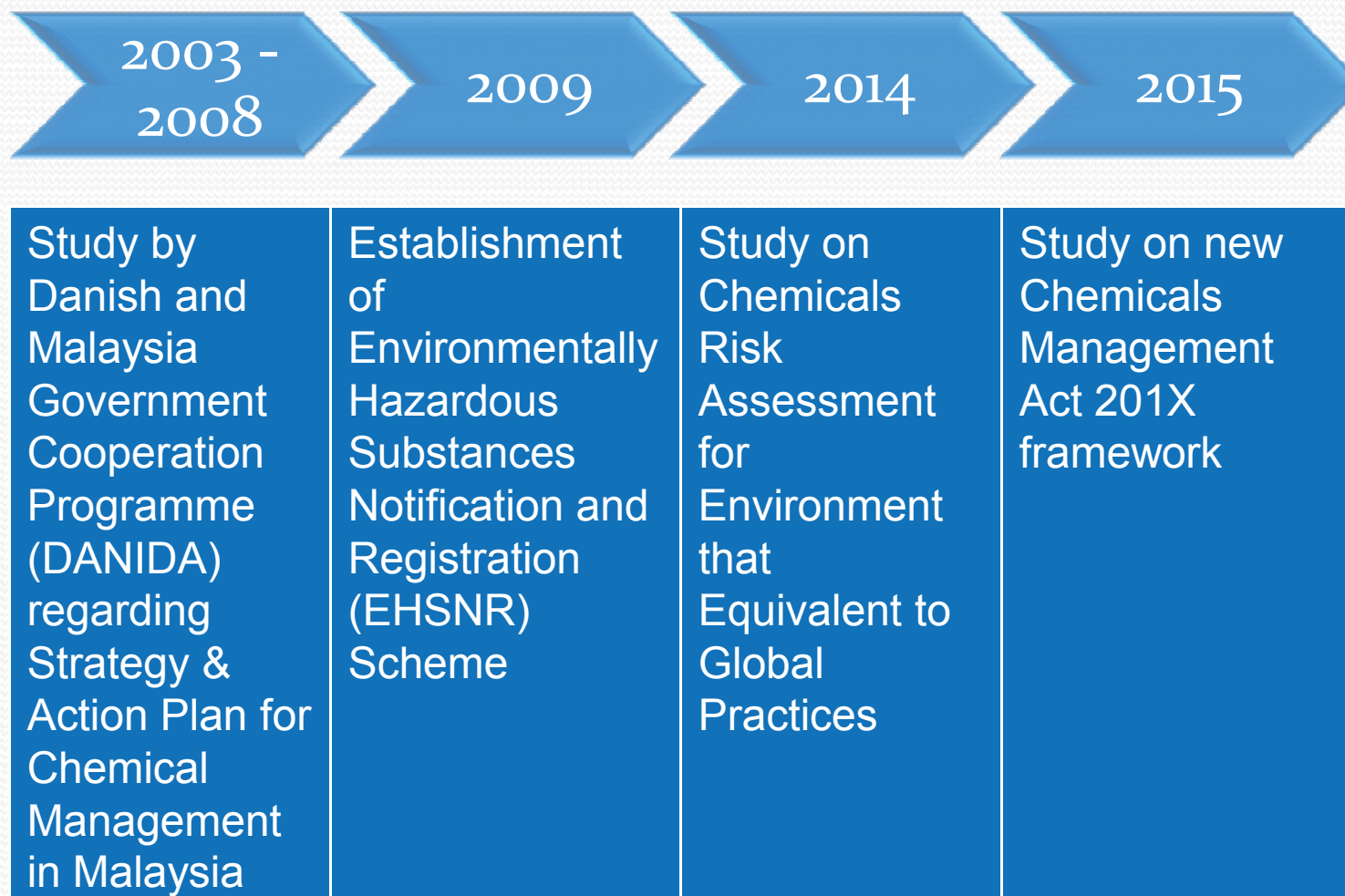
International Participation

- Basel Convention:
 - ratified on 8th October 1993
 - DOE Malaysia is designated as the competent authority
 - Export / import through Customs shall be accompanied by a permit issued by DOE
- Ban Amendment to the Basel Convention:
 - ratified on 26th October 2001
- Rotterdam Convention
 - ratified on 4th September 2002
 - DOE Malaysia and Pesticides Board Malaysia are the two Designated National Authorities (DNAs)
 - DOE for Industrial Chemicals
 - Pesticides Board for Pesticides

International Participation

- Stockholm Convention
 - signatory since 16th May 2002
 - Malaysia has restricted the usage of most POPs that are listed in the convention
- Chemical Weapon Convention
 - signatory on January 1993 and ratified on 20th April 2000
 - Malaysia has prohibit the development, production, stockpiling and usage of chemical weapons
- Intergovernmental Negotiating Committee (INC) on Legally Binding Instrument Minamata Convention on Mercury
 - active involvement in the INC meeting
 - currently prepare for legal domestic framework among the stakeholders before signing the convention

Study on Chemical Management in Malaysia National Plan



Action Plan for Malaysia National Plan

No	Action Plan
1	To carry out feasibility study on a new Chemicals Management Act framework to fill out the gaps in Malaysian chemical management. The Act shall establish link to legislation from relevant agencies that involved in chemical management.
2	To carry out a feasibility study for the establishment of National Chemical Management Board/Commission

Action Plan for Malaysia National Plan

No	Action Plan
3	<p>1) To establish National Chemical Inventory e.g. the quantity and the usage of chemicals</p> <p>2) Streamline existing agencies database system infrastructure (interface link)</p>
4	<p>1) Conduct and report on risk assessment of priority chemicals based on targeted volumes, risks and use related information</p> <p>2) Develop risk management measures to mitigate risk of exposure including the phase out of hazardous substances</p>

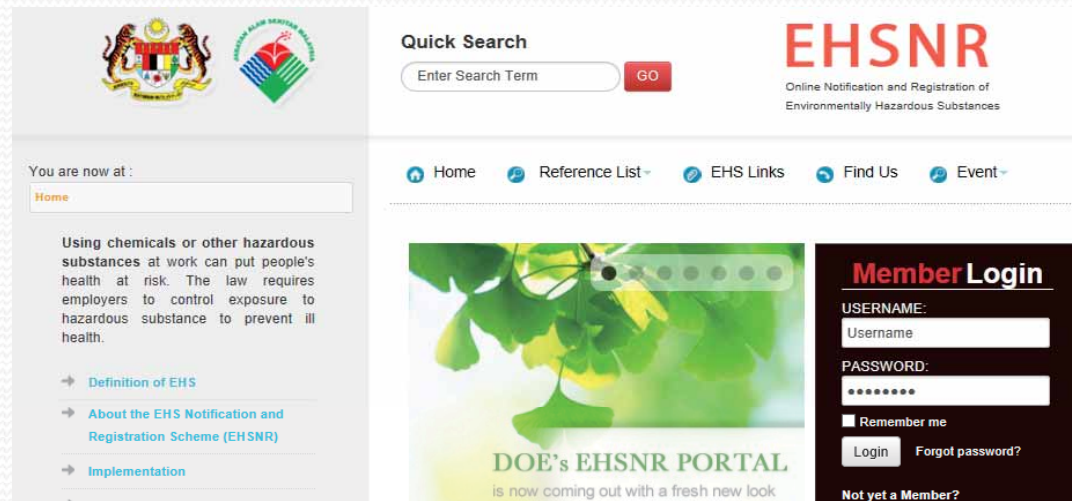
Action Plan for Malaysia National Plan

No	Action Plan
5	<ol style="list-style-type: none">1) Develop training modules on life cycle management of chemicals for stakeholders to improve management efficiency e.g. modules to be included in training schedules2) Conduct training, workshops and seminars to built capacity on topics include toxicology, hazard assessment, exposure assessment and risk assessment3) To identify, enhance and expand the scope of the existing testing facilities4) In preparation and ratification of Stockholm and Minamata Convention

Action Plan for Malaysia National Plan

No	Action Plan
6	<ol style="list-style-type: none">1) Develop plan for cross sectoral training, workshops and seminar in good chemical management.2) Conduct an active dialogues between chemical industries and government regulatory bodies to create awareness.3) Develop syllabus for education in school and universities on chemical management.4) Organize events such as seminars and exhibitions to promote awareness and education on hazardous substances.5) Develop incentives and economic packages to encourage industry's participation.

EHS NOTIFICATION AND REGISTRATION SCHEME



The screenshot displays the EHSNR (Online Notification and Registration of Environmentally Hazardous Substances) portal. At the top, there is a blue banner with the title 'EHS NOTIFICATION AND REGISTRATION SCHEME'. Below this, the portal features a header with the Malaysian coat of arms and the DOE logo on the left, a 'Quick Search' bar with a 'GO' button in the center, and the 'EHSNR' logo with its full name on the right. A navigation menu includes links for Home, Reference List, EHS Links, Find Us, and Event. The main content area is divided into two columns. The left column contains a 'You are now at:' section with a 'Home' link, followed by a paragraph about the risks of hazardous substances and a list of links: Definition of EHS, About the EHS Notification and Registration Scheme (EHSNR), and Implementation. The right column features a 'Member Login' section with fields for Username and Password, a 'Remember me' checkbox, and buttons for Login and Forgot password? Below the login section is a link for 'Not yet a Member?'. A central banner image shows green leaves with the text 'DOE's EHSNR PORTAL is now coming out with a fresh new look'.

- to provide the necessary information to the Malaysian Government so as to enable the DOE and other agencies involved in chemicals management
- to identify substances of concern in the country and make decisions on how to manage these substances in a safe and sound manner
- Based on the information submitted by industry, the Department of Environment (DOE) will establish a Malaysian EHS Register

EHS Notification and Registration Scheme

EHSNR database as of 30 June 2015:

No. of chemical company registered to date

• 459

No. of sector/category of industry

• 18

No. of notifications by industry into system

• 2,743

No. of EHS officially register

• 511

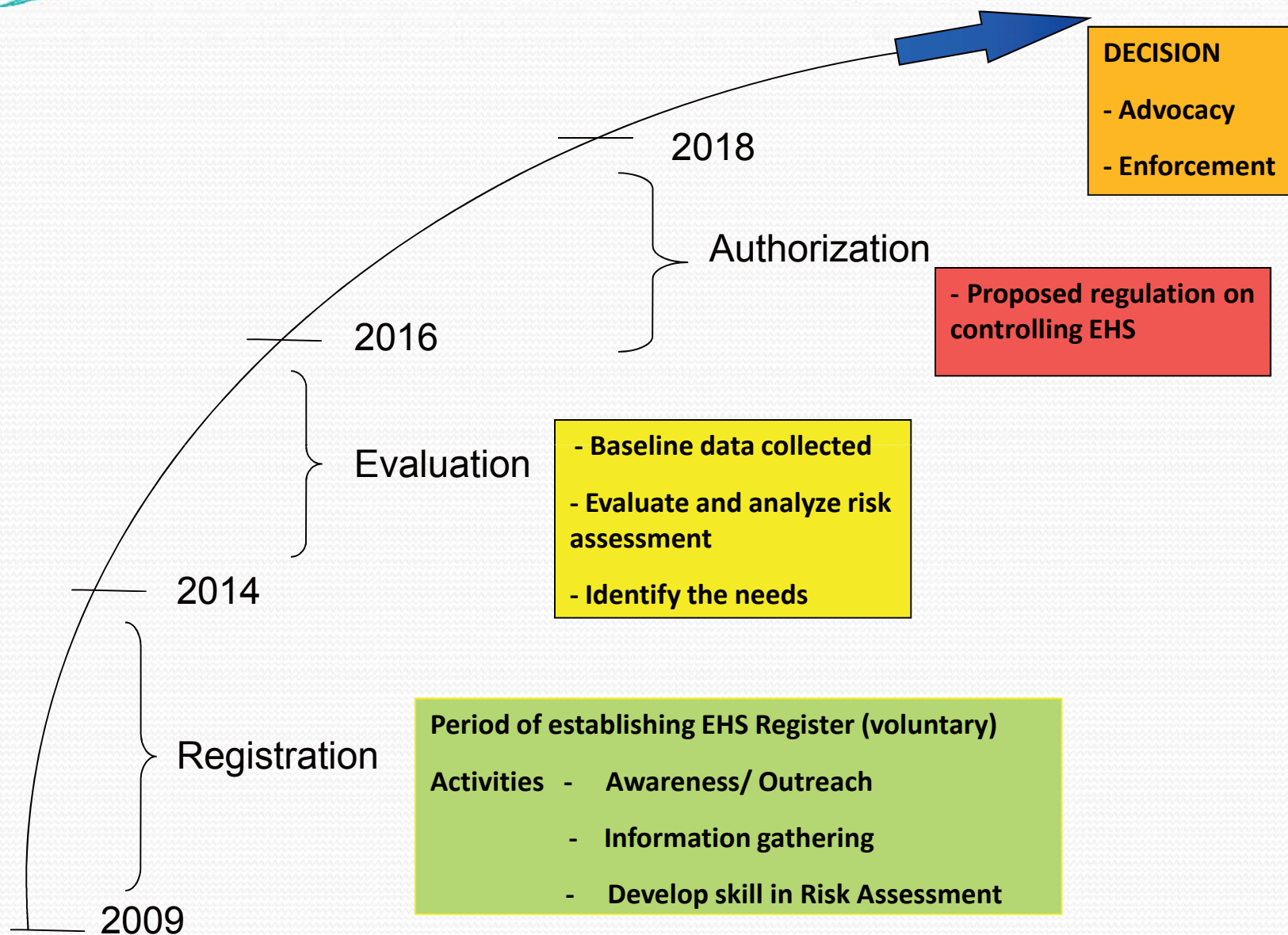
No. of EHS required Detailed Notification

• 250

No. of EHS register by oversea supplier

• 19

Milestones for EHS Notification and Registration Scheme





Benefit of Scheme

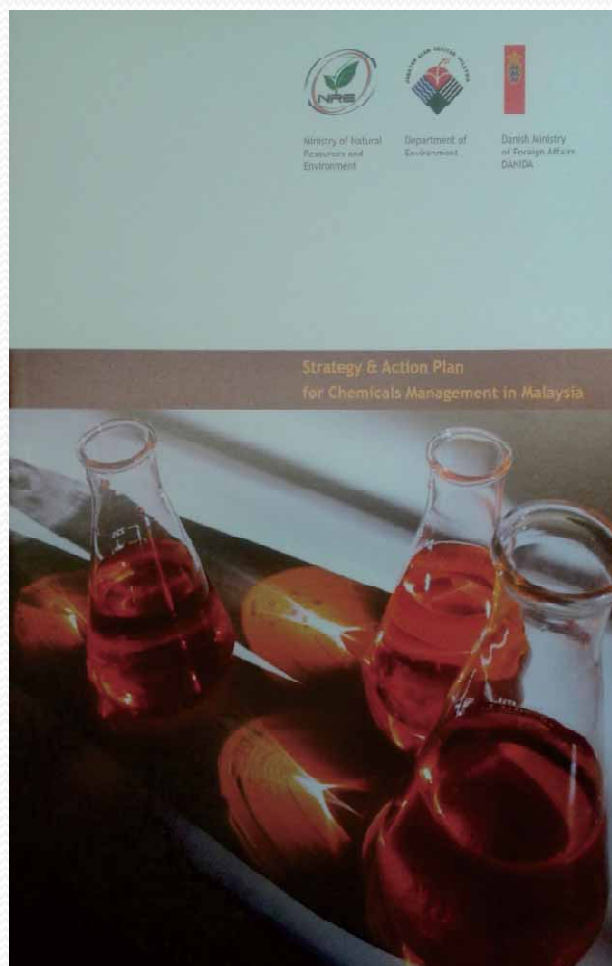
- There is sufficient information available on the EHS imported into or manufactured in Malaysia (Malaysian EHS Register) so as to be able to identify priority substances and enable protection of people and the environment from the possible harmful effects of these substances
- It provides a mechanism for identifying, evaluating and controlling of EHS



Benefit of Scheme

- It helps the industry in identifying likely data gaps which are required for GHS classification of substances and compliance with DOSH regulations.
- The scheme provides **input for the risk assessment of EHS** and thereby a means of anticipating potential problems and facilitate the implementation of timely and appropriate control measures for specific EHS.

STRATEGY AND ACTION PLANS FOR EHS MANAGEMENT IN MALAYSIA



Objective

to collect information from industry about the hazardous substances (EHS) that are on the Malaysian market

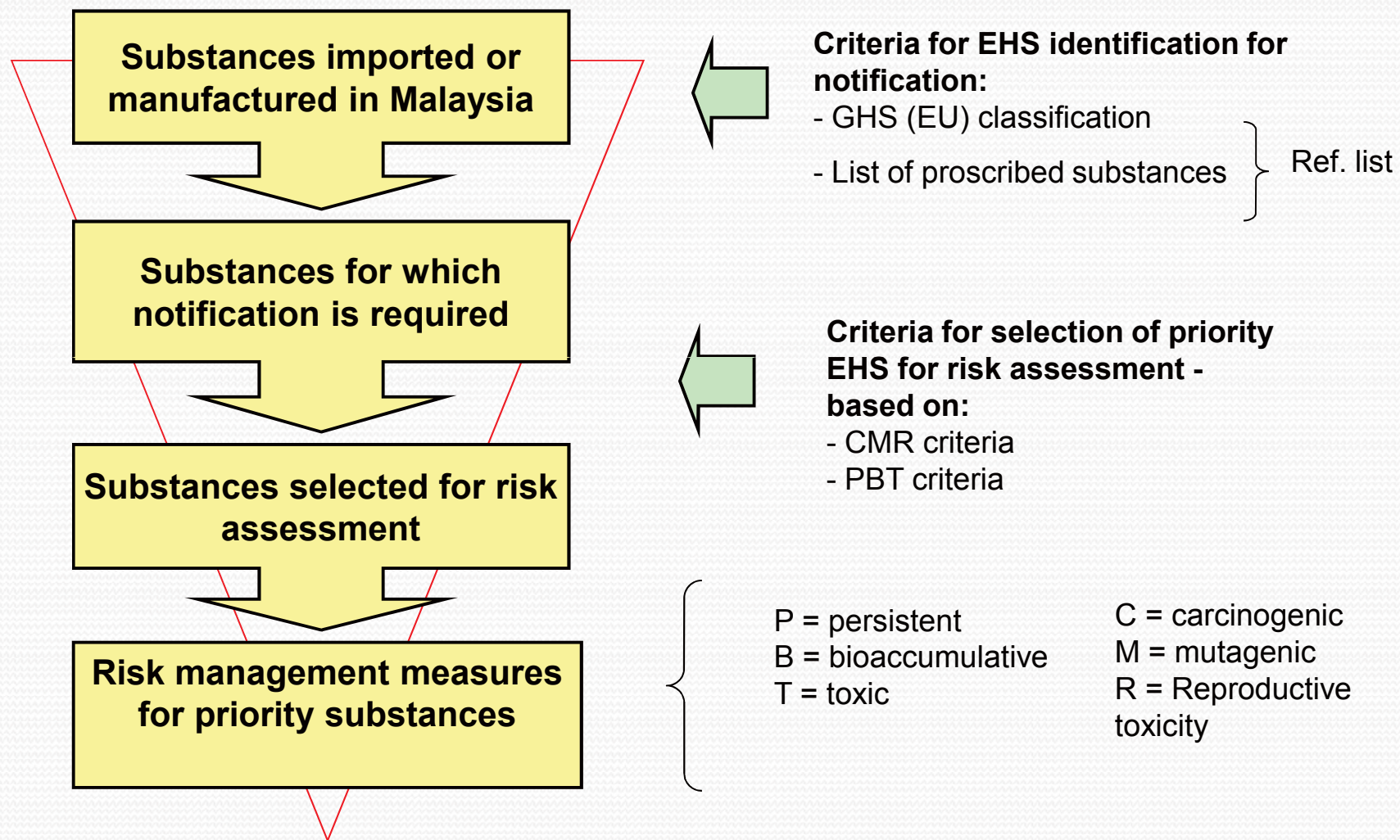
How??

Introducing a notification requirement for such substances manufactured in or imported to Malaysia

Proposed Activities

Malaysia establish an EHS Notification and Registration Scheme

Identification and evaluation scheme for EHS



Scope of EHSNR Scheme

- ◆ The notification requirement does not apply to substances for which information is already submitted to government agencies in Malaysia by means of other legislations, unless the substance is also used for other purposes not covered by Pesticides, Poisons and Chemicals Weapons Convention Acts

Reference:

- ◆ Guidance For The Industry on The Environmentally Hazardous Substances Notification & Registration (EHSNR) Scheme in Malaysia

DOE WEBSITE (www.doe.gov.my)

Department of Environment | Ministry of Natural Resources & Environment - Mozilla Firefox

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http://www.doe.gov.my/portalv1/en

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Home About DOE Client Charter Public Industries Developers Consultants FAQs Contact

Announcement

- Symposium on Four Decades of the Environmental Quality Act 1974: Charting the Future
- Green Industry Award for Small And Micro Enterprise
- Competency Course for Green Industry Auditor (New)
- Green Industry Award for Small And Micro Enterprise

Welcome to Official Portal of Department of Environment Malaysia

The Industries The Developers The Consultants Public Line Members of DOE

E-Services

- Acts, Rules, Regulations & Orders
- Complaint & Enquiry
- Download Form
- Online & MyID Transaction
- Online Services
- Publication
- Video Collection

DOE Sub-Web

- Environmentally Hazardous Substances (EHS)

Tahukah Anda?

FAEDAH MELAKA AMALAN INDIU!

Pencalonan Anugerah Langkawi Tahun 2014

ENVIRONMENTAL QUALITY ACT 1974: CHARTING THE FUTURE

ANUGERAH ANJUI

Latest API

- AIR POLLUTANT INDEX (API 16-Jul-2014 Wednesday)
- AIR POLLUTANT INDEX (API 15-Jul-2014)

Recent News

- 08-Jul-2014 Tuesday - Palanivel up in arms over Camerons land clearing (New Straits Times)

Recent Activities

Press Statement

- Kenyataan Akhbar Kementerian Julai 2014
- Kenyataan Akhbar Kementerian Sumber Asli, 12

Procurement

EHSNR system (<https://www.e-ehs.doe.gov.my>)

The screenshot shows the EHSNR system website in a Mozilla Firefox browser window. The address bar displays <https://www.e-ehs.doe.gov.my/app/webroot/portal/>. The website header includes the Department of Environment logo and the EHSNR title: "Online Notification and Registration of Environmentally Hazardous Substances".

Quick Search

Enter Search Term

EHSNR
Online Notification and Registration of Environmentally Hazardous Substances

Navigation: Home, Reference List, EHS Links, Find Us, Event

You are now at: Home

Using chemicals or other hazardous substances at work can put people's health at risk. The law requires employers to control exposure to hazardous substance to prevent ill health.

- Definition of EHS
- About the EHS Notification and Registration Scheme (EHSNR)
- Implementation
- EHS Data and Help
- Frequently Asked Question (FAQ)

Upcoming Events
There are no upcoming events.

Visitors

Pages

Pages | Hits | Unique

- Last 24 hours: 308
- Last 7 days: 1,958
- Last 30 days: 7,727
- Online now: 3

DOE's EHSNR PORTAL
is now coming out with a fresh new look

Welcome!

About EHS Notification and Registration Scheme

The objective of the Malaysian EHS Notification and Registration Scheme is to collect information from industry about the hazardous substances that are on the Malaysian market by introducing a notification requirement for such substances manufactured in or imported to Malaysia.

[Read more »](#)

Member Login

USERNAME:

PASSWORD:

☐ Remember me

[Forgot password?](#)

Not yet a Member?

Industry Info

Example of hazardous substances that you may come across include petrol, pesticides, insecticides, fertilisers, weed killers, liquid petroleum gas, but there may also be others.

- [Guidelines for NR](#)
- [Guidance On Notification and Registration Scheme of EHS](#)
- [Company Registration](#)

EHS News and Announcement

WHO SHALL AND SHALL NOT NOTIFY UNDER EHSNR?

EHS
Importer

Importers of EHS substances ,
mixtures and finished products
that contain EHS

EHS
Manufacturer

Manufactures of EHS
substances, mixtures and
finished products that contain
EHS

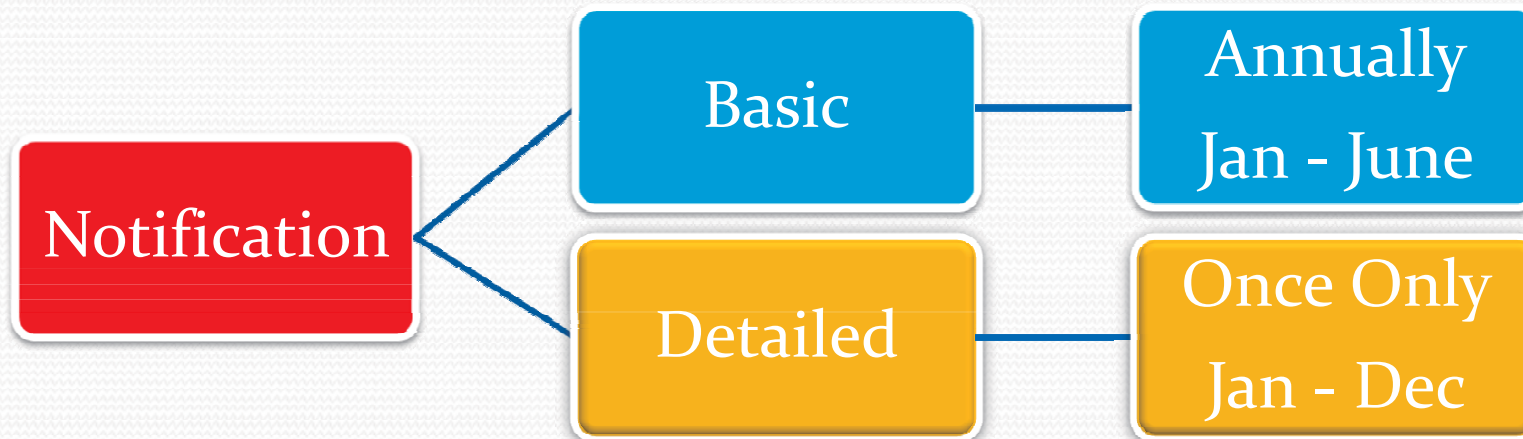
Register
and
Notify

Distribution, retailing

Locally sourced
EHS



The Notification Process



- The notification for detailed is to be done once only unless new information that change the hazard classification are available for notification
- The notification to be done online at www.doe.gov.my

The Notification Process

- Basic Notification

- ◆ The Notification of EHS to DOE by chemical industries shall be done in two stages:

1) Basic Notification

A basic notification of EHS must first be made by all manufacturers and importers

The data required are:

- Substance identification
- Annual tonnage in metric tons
- Use of the substance
- Concentration interval of substance in raw materials or finished products (maximum and minimum concentration)
- Country of import

The Notification Process

- Detailed Notification

2) Detailed Notification

- ◆ A follow-up detailed notification is also required, if the EHS is not in the EHS Reference List
- ◆ Detailed Notification of EHS: In addition to basic data, the following are also required:
 - Upload of MSDS
 - Data on substance identification
 - Data on physico-chemical properties
 - Data on physical hazards
 - Data on hazards to human health
 - Data on hazards to aquatic environment
 - Overall GHS Classification

Way Forwards on Chemical Management in Malaysia

1. Development of regulations on chemicals used (except pesticides used in homes)
2. Additional capacity buildings in management of chemicals, and particularly to the use of risk assessment as a chemicals management tool
3. Increased awareness of chemicals management issues among stakeholders.
4. Database and information of hazardous chemicals in Malaysia to be made available
5. Identification and assessment of risks posed by chemicals
6. Strengthening and Improving International Cooperation in Chemicals



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