

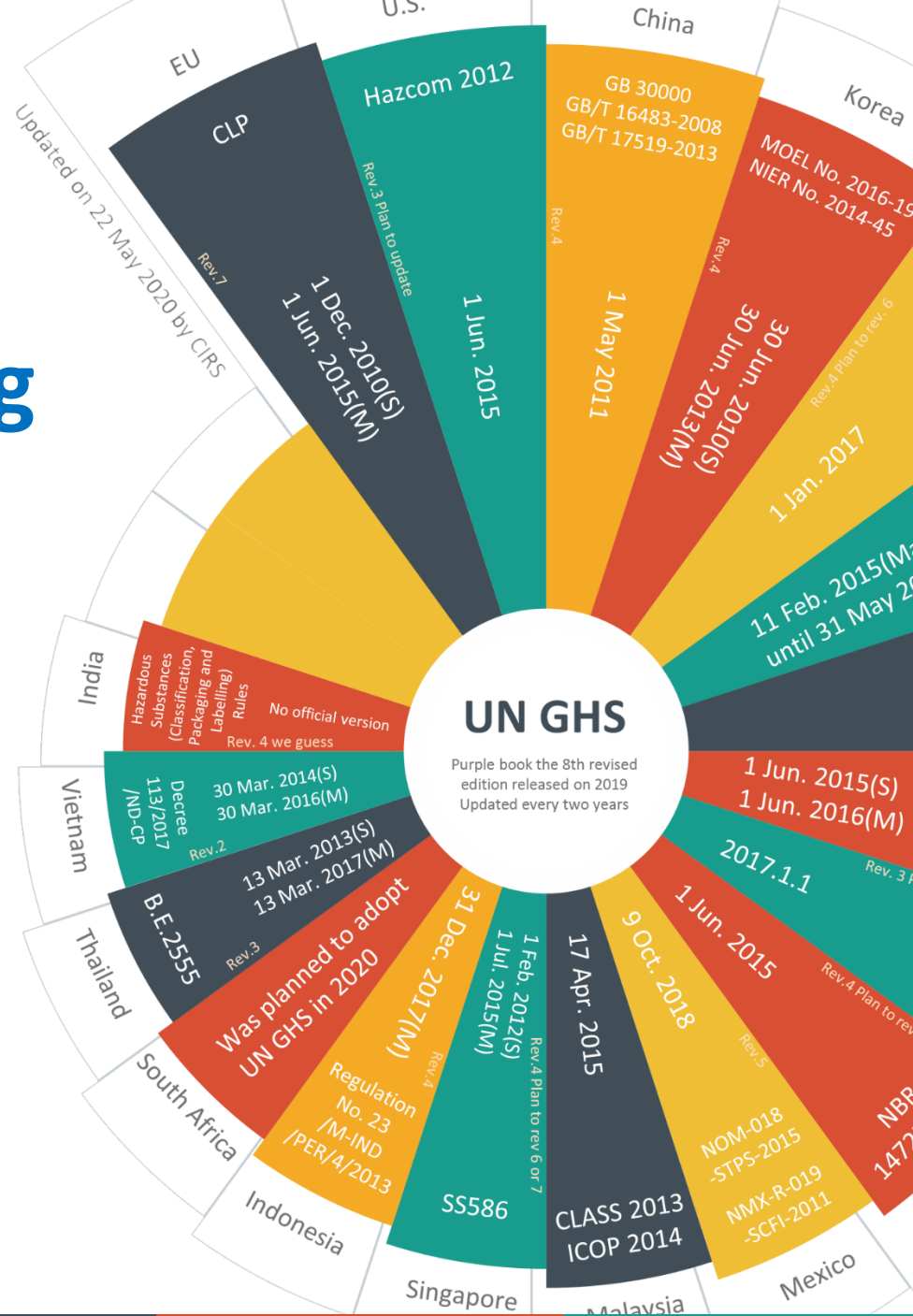


No.1 - Series introduction and Global GHS



Ms. Cloris Pan

Web: www.cirs-reach.com



Contents



1. Housekeeping



2. Company Introduction



3. Series Introduction



4. Making the most of the Series



5. Welcome Ms. Cloris Pan

Housekeeping



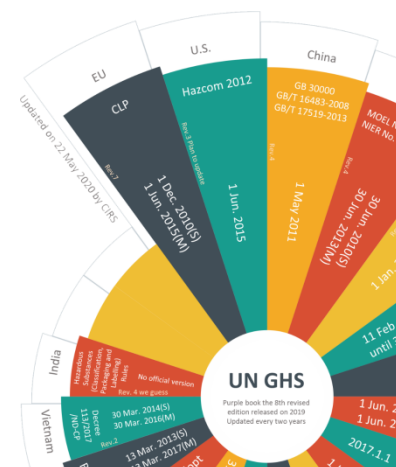
1. Adhering to GDPR



2. Using Webex Facilities



3. Q&A Process





- CIRS is an individual consulting firm founded in 2007 and headquartered in China;
- Has 350+ employees and annual revenue approximately 50 M USD;
- Has branch offices in Dublin(Ireland), Arlington(US), Seoul (Korea) , Nanjing(China), Beijing(China), Hangzhou(China);
- CIRS provides regulatory compliance consulting, testing and training services.
- CIRS shares more than 70% Chinese consulting markets;
- Has 4000+ Clients including 300+ oversea companies

CIRS China (HQ)

Add: 11/F., Bldg 1, Dongguan Hi-Tech Park, 288 Qiuyi Rd, Binjiang District, Hangzhou, China

CIRS Europe

Add: CIRS, Regus Harcourt Centre D02 HW77, Dublin, Ireland

CIRS US

Add: #200-092, 3100 Clarendon Blvd., Arlington, VA 22201

CIRS Korea

Add: B-2310, 583, Yangcheon-ro, Gangseo-gu, Seoul, Republic of Korea

Series Introduction



Why are we hosting this free series?



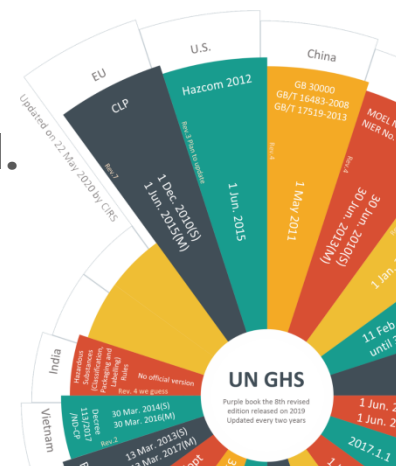
What to expect in the coming weeks?

- Two main types of Webinars
 - Country Specific
 - Topic Specific



Guest Presenters

- Dr. Hou Rong from Japan Environmental Management Association for Industry (JEMAI) for Japan GHS and chemical regulations.
- Alexey Mantsev and Inessa Kiristaeva REGARTIS s.r.o. & Ecovostok for EAEU GHS and EAEU REACH.



Series Introduction Timeline



Time (GMT+1): 15:00pm, 1 July 2020

1. Series introduction and Global GHS

Dean Winder and Cloris Pan

- Introduction of this series
- Countries/regions adopted UN GHS
- Local specific GHS Regulations

>>> [Register Here](#)

Time (GMT+1): 16:00pm, 8 July 2020

2. EAEU GHS features and EAEU-REACH

Bryan Zhou, Alexey Mantsev and Inessa Kiristaeva

- Russian Inventory notification and Technical Regulation
- Russian SDS and Labelling
- Q&A

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 15 July 2020

3. Korea GHS features and local regulations

Julie Harrington and Li Xiang

- MOEL2016-19 and related provisions
- Requirements and features
- Chemical Regulations in briefing
- FAQ

>>> [Register Here](#)

Series Introduction Timeline



Time (GMT+1): 15:00pm, 22 July 2020

4. China GHS features and local regulations

Dean Winder and Bryan Zhou

- GB 30000 series and related provisions
- Requirements and features
- Chemical Regulations in briefing
- FAQ

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 29 July 2020

5. Japan GHS features and local regulations

Ethan Zheng and Dr. Hou Rong

- Japan GHS introduction
- Japan chemical regulation and chemical inventory introduction

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 5 August 2020

6. CLP and SCIP Database

Dean Winder

- EU REACH and CLP
- SVHC notification
- SCIP Database and SVHC Testing
- Article concerns

>>> [Register Here](#)

Series Introduction Timeline



Time (GMT+1): 15:00pm, 12 August 2020

7. Does article need to comply with GHS

Cloris Pan

- Substance, Mixtures and Articles
- SDS for Articles or not
- Case studies
- FAQ

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 19 August 2020

8. How to keep your CBI in secret during hazard communication

Li Xiang

- The requirements on information disclosure
- Comparison among different Countries/Regions
- Advanced strategies
- FAQ

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 26 August 2020

9. The emergency contact number required in Global GHS SDS

Bryan Zhou

- Requirements and differences of target Countries/Regions
- PCN in EU
- NRCC in China
- Other countries

>>> [Register Here](#)

Series Introduction Timeline



Time (GMT+1): 15:00pm, 2 September 2020

10. What makes the classification difference

Christopher Ketchum

- Building block and additional classifications
- The global classification lists
- Case studies
- FAQ

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 9 September 2020

11. GHS labelling for small and awkward packages

Ethan Zheng

- Requirements and differences
- Definitions
- Omission rules

>>> [Register Here](#)

Time (GMT+1): 15:00pm, 16 September 2020





12. Global GHS advanced and series closure

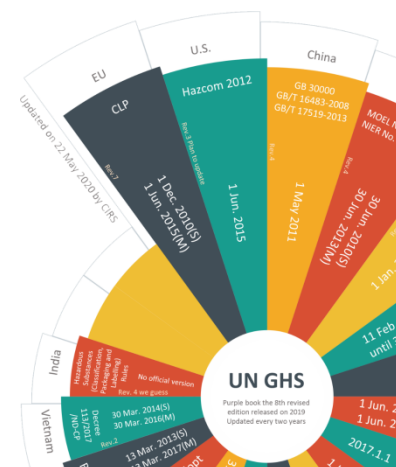
Dean Winder and Cloris Pan

- One SDS for all Countries/Regions
- Global GHS expectation
- Find data for classifications/SDS
- Series closure and further information

>>> [Register Here](#)

Making the most of the Series

-  Send us your questions
-  Request the Presentations
-  Keep up to date with our Advanced Articles
-  Consult our FAQ Documents



Ms. Cloris Pan



MSc obtained from the University of Sheffield



Manager of our GHS Division



Over 7 years Working Experience in Global GHS implementation



Overseen the completion of 10,000 SDS and Labels in various languages last year

Contents



1. UN GHS purple book



2. GHS elements



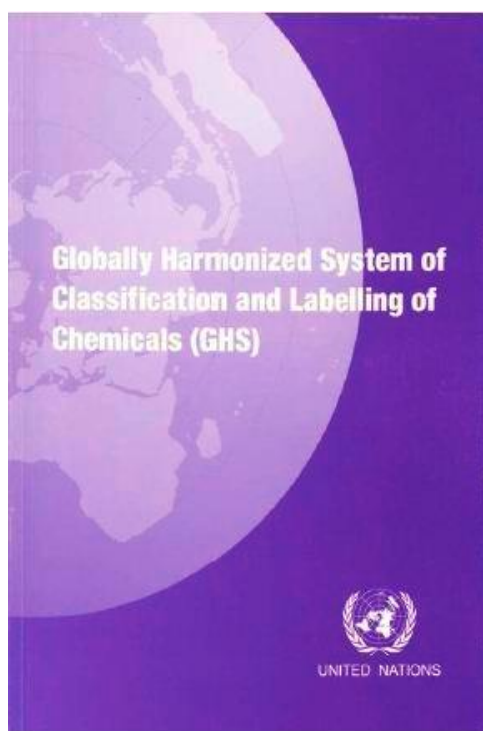
3. The implementation status



4. Differences among various regions

UN GHS – purple book

Globally Harmonized System of Classification and Labelling of Chemicals



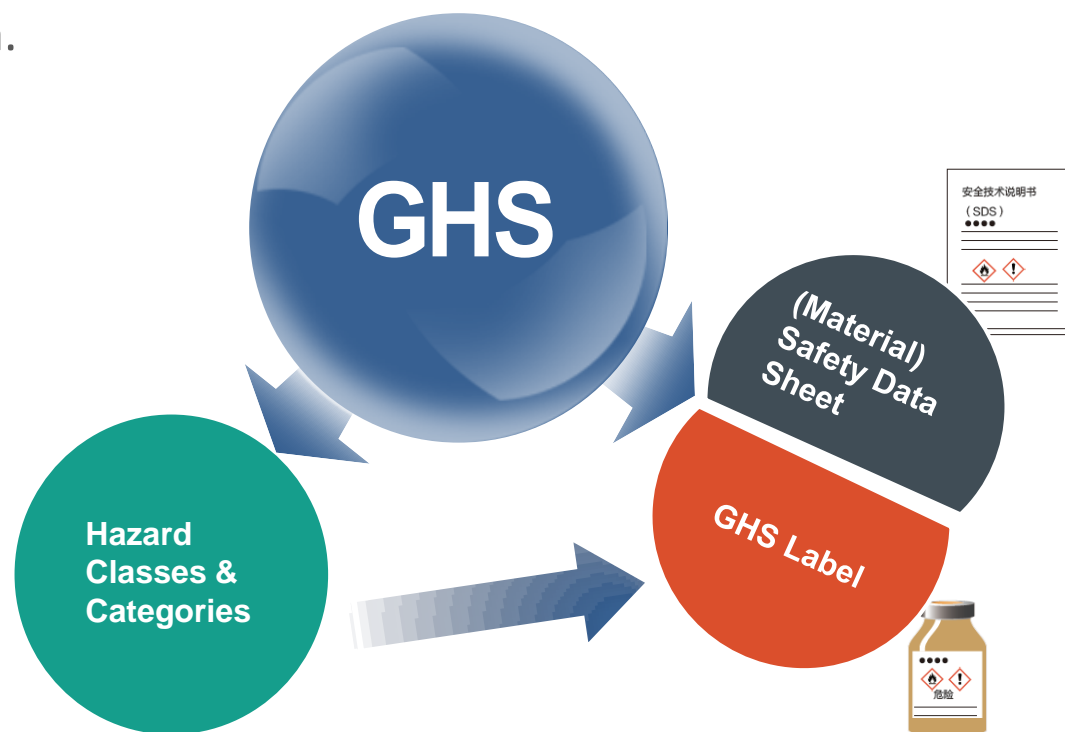
8th Revised Edition

http://www.unece.org/trans/danger/publi/ghs/ghs_rev08/08files_e.html

Scope

The GHS applies to pure substances and their dilute solutions and to mixtures.

“Articles” as defined in the Hazard Communication Standard (29 CFR 1910.1200) of the Occupational Safety and Health Administration of the United States of America, or by similar definition, are outside the scope of the system.



Classifications 8 rev. purple book

17
Physical
hazards

10 Health
hazards

2
Environme
ntal
hazards

SDS or MSDS

Various abbreviations: SDS, MSDS, FISPQ, SDB, FDS ...

1. Identification

9. Physical and chemical properties

2. Hazard identification

10. Stability and reactivity

3. Composition/information on ingredients

11. Toxicological information

4. First-aid measures

12. Ecological information

5. Fire-fighting measures

13. Disposal consideration

6. Accidental release measures

14. Transport information

7. Handling and storage


15. Regulatory information

8. Exposure controls/personal protection

16. Other information

Labelling

pictogram



product identifier

Guanidinium thiocyanate
CAS: 593-84-0 EC: 209-812-1 Purity: 100%

Warning

Harmful if swallowed. Harmful contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation.

Wear protective gloves / protective clothing /eye protection/face protection.
If eye irritation persists: Get medical advice/attention.
Call a POISON CENTER or doctor/physician if you feel unwell.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF SWALLOWED: Call a POISON Center or doctor/physician if you feel unwell.

signal word

Danger

hazardous statement

H302, H314, H332, H334, H336

precautionary statement

P201, P202, P273, P280, P281, P301+P312, P301+P331, P302+P352, P303+P361+P353, P304+P340, P305+P351+P338, P308+P313

supplier identifier

Limited
#####and
Tel: +## ##### Fax: +# #####
Emergency Tel: #####

Pictograms



Oxidizers



Flammables, Self Reactives,
Pyrophorics, Self-Heating,
Emits Flammable Gas,
Organic Peroxides



Explosives, Self
Reactives, Organic
Peroxides



Acutely Toxic
(severe)



Burns Skin, Damages
Eyes, Corrosive to Metals



Gases Under Pressure



Carcinogen, Respiratory
Sensitizer, Reproductive
Toxicity, Target Organ
Toxicity, Mutagenicity
Aspiration Toxicity

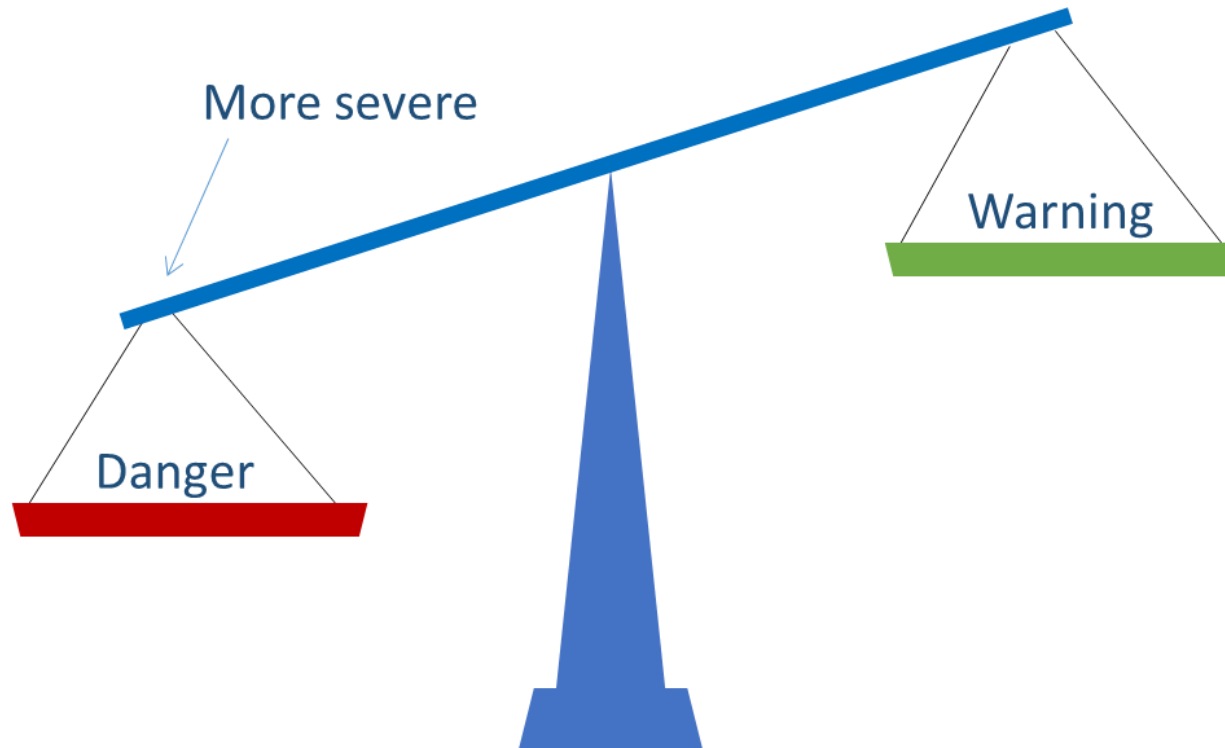


Toxic to aquatic
environment



Acutely toxic(harmful),
Irritant to skin, eyes or
respiratory tract, Skin
sensitizer, Hazardous to
the Ozone layer.

Signal words



H/P statements

Hazard statement means a statement assigned to a hazard class and category that describes the nature of the hazards of a hazardous product, including, where appropriate, the degree of hazard;

Precautionary statement means a phrase (and/or pictogram) that describes recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure to a hazardous product, or improper storage or handling of a hazardous product;

Examples of H/P statements

H Code	H statements
H300	Fatal if swallowed
H314	Causes severe skin burns and eye damage
H410	Very toxic to aquatic life with long lasting effects

P Code	P statements
P222	Do not allow contact with air.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P405	Store locked up.

Implementation of GHS in different regions (examples)

Asia Pacific

- China, Japan, Korea, Singapore, Malaysia, Indonesia, Thailand, Vietnam, Taiwan, Australia, New Zealand, Philippines

Europe

- Member states of the European Union, Russia, Switzerland, Turkey

North America

- The United States, Canada, Mexico

Others

- Abu Dhabi, Mauritius, South Africa, Zambia, Chile, Ecuador, Uruguay, Brazil, Argentina, Israel, etc.

Implementation of GHS in different regions (examples)

EU	Regulation EC 1272/2008 (CLP)
USA	HCS 2012 / HazCom 2012
China	GB 30000, GB/T 16483-2008, GB/T 17519-2013
Japan	JIS Z 7253, JIS Z 7254
Korea	MOEL 2016-19
Thailand	B.E.2555
Malaysia	CLASS 2013, ICOP 2014
Taiwan	CNS 15030
Brazil	NBR 14725
Singapore	SS 586
.....	

Implementation of GHS in different regions (examples)

Rev. 4th

- China(GB30000.2-29), South Korea(MOEL 2016-19), Indonesia(No. 23/M-IND/PER/4/2013)

Rev. 5th

- Mexico(NOM-018-STPS-2015)

Rev. 6th

- Japan(JIS Z7252&7253), Brazil(NBR 14725-2)

Rev. 7th

- EU(6th and 7th, 12ATP), Australia(2021), China(GB30000.1), New Zealand(plan), US(plan)

Updates

- ◆ Purple book – every 2 years
- ◆ Recent updates - Local regulations, standards, guidance :
 - EU
 - CLP ATP 12th, REACH Annex II
 - South Korea
 - OSHA updates include SDS submission requirements
 - Japan
 - JIS Z7253:2019 & JIS Z7252:2019
 - Australia
 - implement the 7th from Jan 1 2021

Building blocks

Hazard classes are building blocks



Within a hazard class, each hazard category can be seen as a building block



For a given hazard class, competent authorities have the possibility not to apply all categories.



Where a competent authority adopts a hazard category, it should also adopt all the categories for higher hazard levels in that class.

Different building blocks (examples)

Hazard Classes	EU CLP	China GB	Korea MoEL	Japan JIS
Flammable liquids	Category 1-3	Category 1-4	Category 1-3	Category 1-4
Acute toxicity	Category 1-4	Category 1-5	Category 1-4	Category 1-4
Skin irritation / corrosion	Category 1-2	Category 1-3	Category 1-2	Category 1-2
Aspiration toxicity	Category 1	Category 1-2	Category 1-2	Category 1
Hazardous to aquatic environment (acute)	Category 1	Category 1-3	Category 1	Category 1-3

Classification lists (examples)

Mandatory

- CLP Annex VI
- China: catalogue of hazard chemicals 2015
- South Korea: classification list for toxic chemical substances
- Malaysia: ICOP 2014 Part 1: classification list

Advisory

- Taiwan: 2 lists, 3000+6000 substances
- Japan: advisory classifications from Japanese Ministries
- Thailand: Department of Industrial Works

Additional requirements/details (examples)

Registration number

- EU, South Korea K-REACH

Emergency contact number

- EU, China (domestic 24h), Malaysia (domestic or overseas 24h)

Local supplier information

- South Korea, Singapore, etc

Regulatory information

- Japan Fire Law, Poisonous and Deleterious, Substances Control Law, etc

Q&A Session

Following our event, please always click

<http://www.cirs-reach.com/news-and-articles/2020-CIRS-Training-Courses-Global-GHS.html>

to find further updates

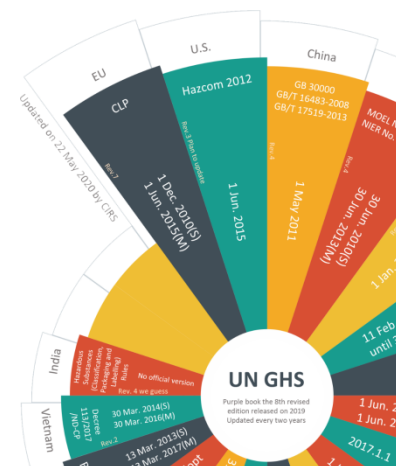
Contact Email: service@cirs-reach.com

For our Consultation

Next Webinar: EAEU GHF Features and EAEU REACH

Time & Date: (GMT+1) 16:00, July 8th

Registration still Available





Thank you for your attention

