



**CIRS**

# Global GHS II advanced and series closure

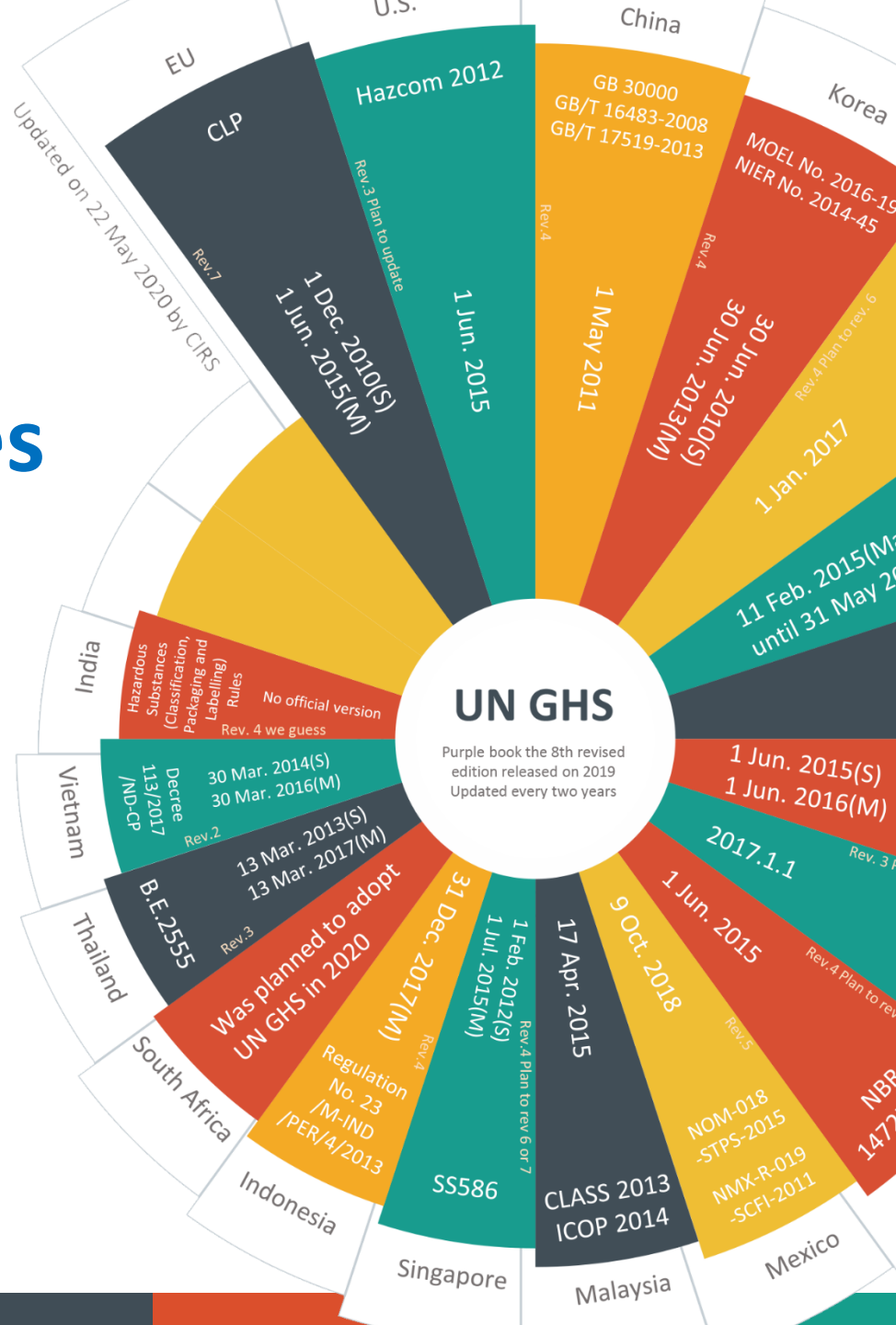


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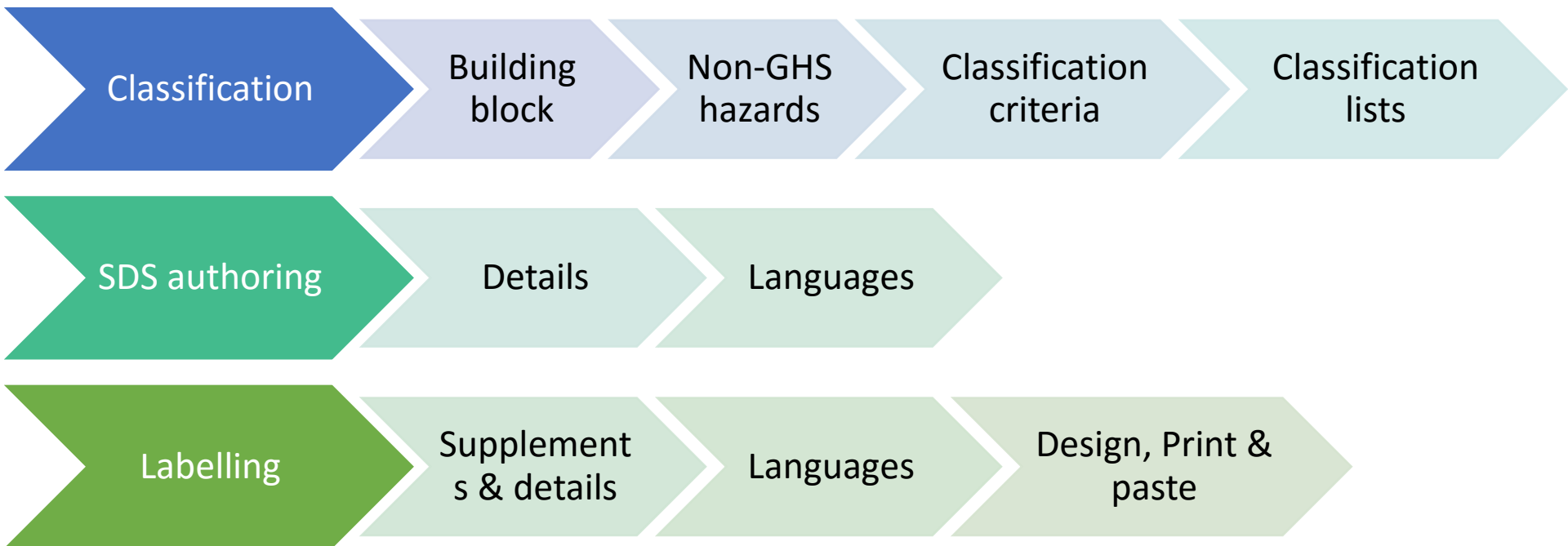


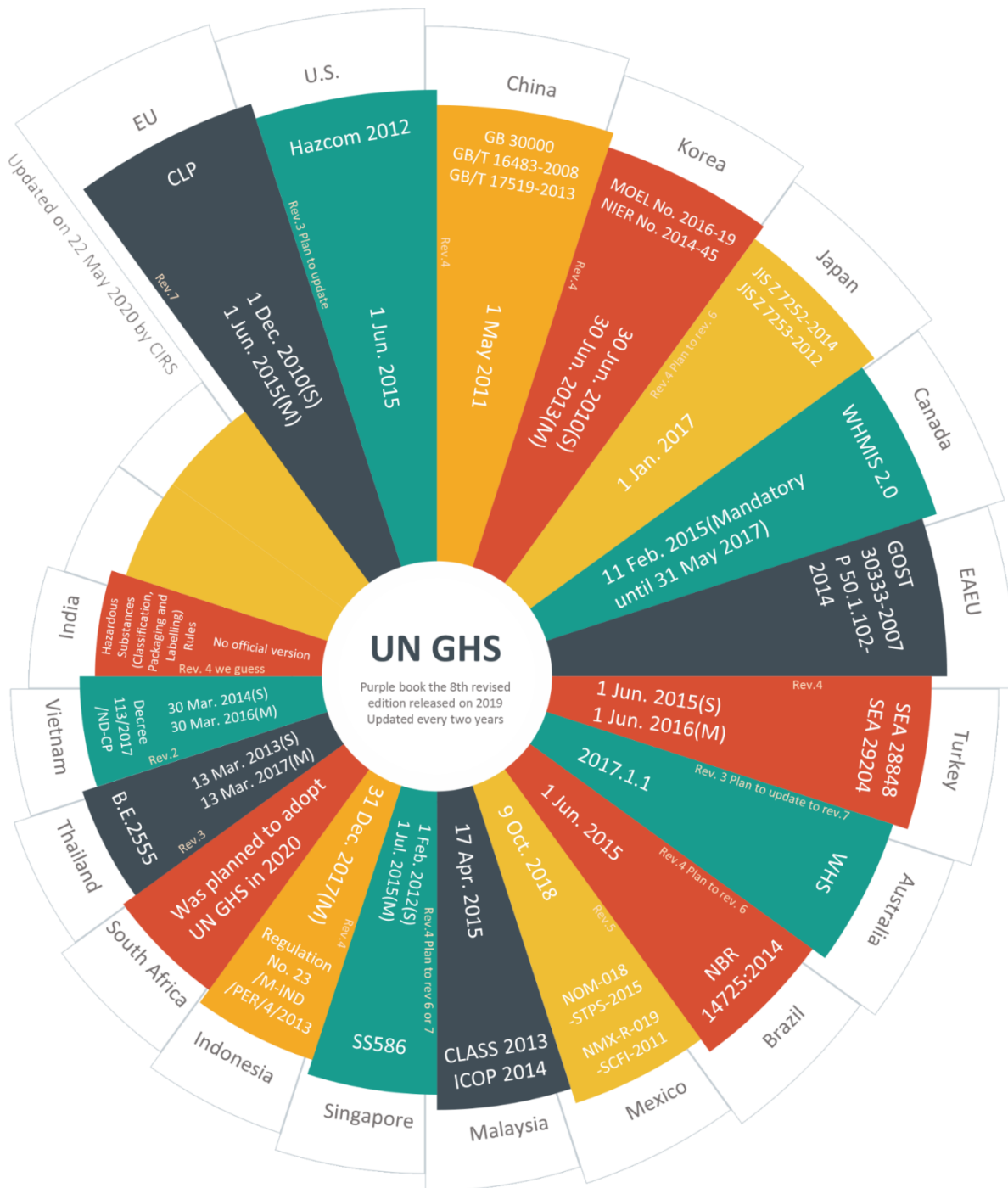
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# Why one SDS cannot cover global requirements





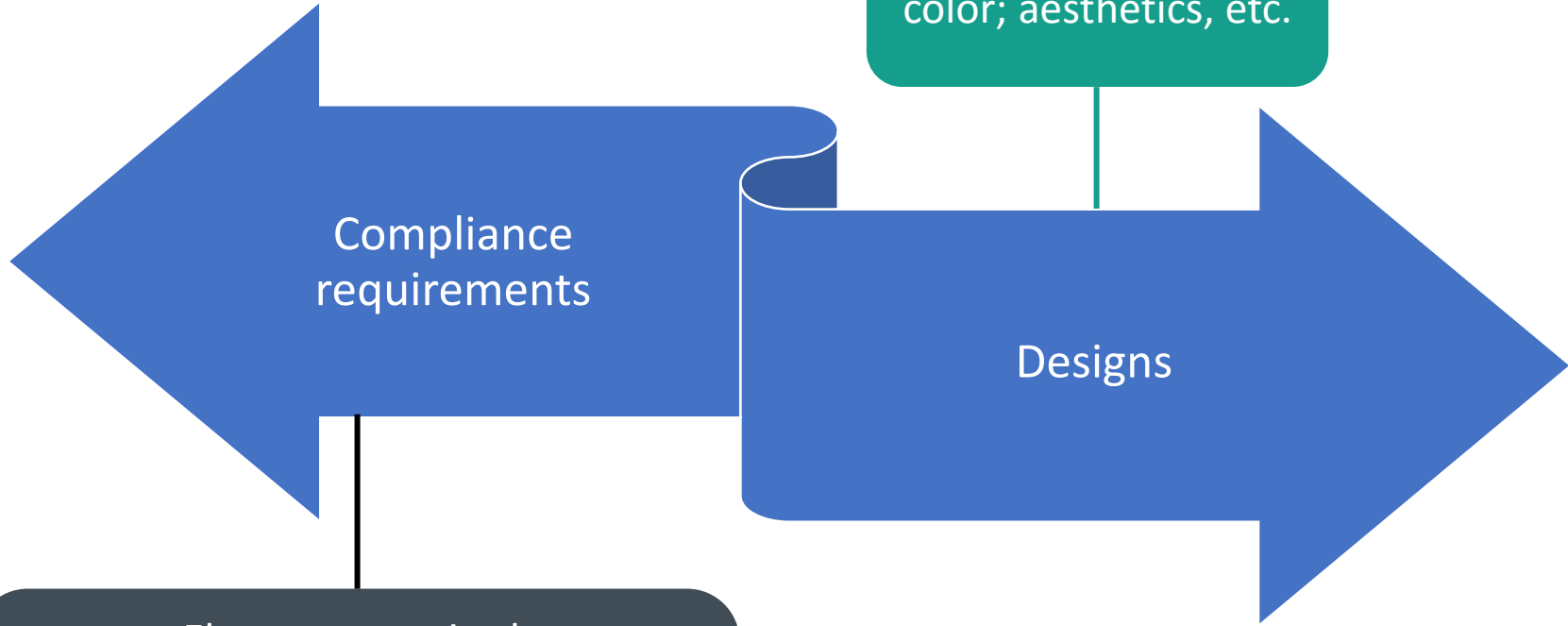
Implementation timelines

Based on different versions of purple books

Update respectively

# Difficulties on label design

Packaging shape;  
color; aesthetics, etc.



Elements required;  
The order and location of elements;  
Supplement information according to standards;  
Size of pictograms and labels;



# Examples for label design



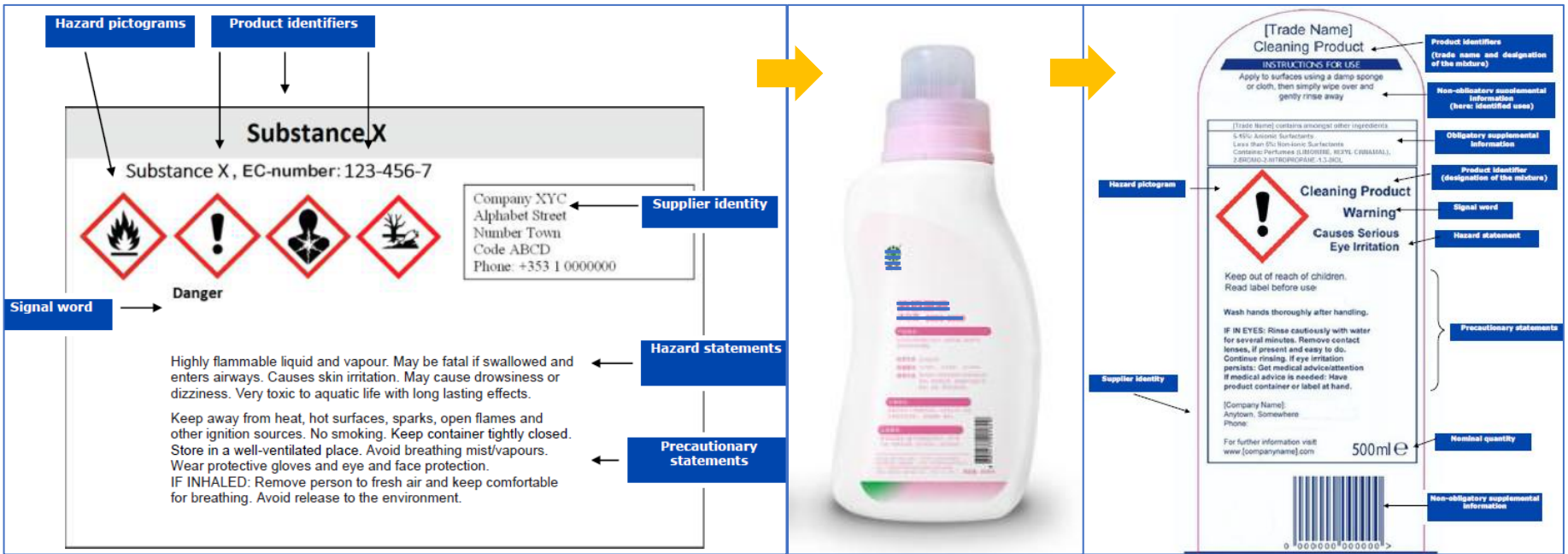
GHS label draft based on local labelling standard



Label design



Reconfirm whether it meets local standard requirements



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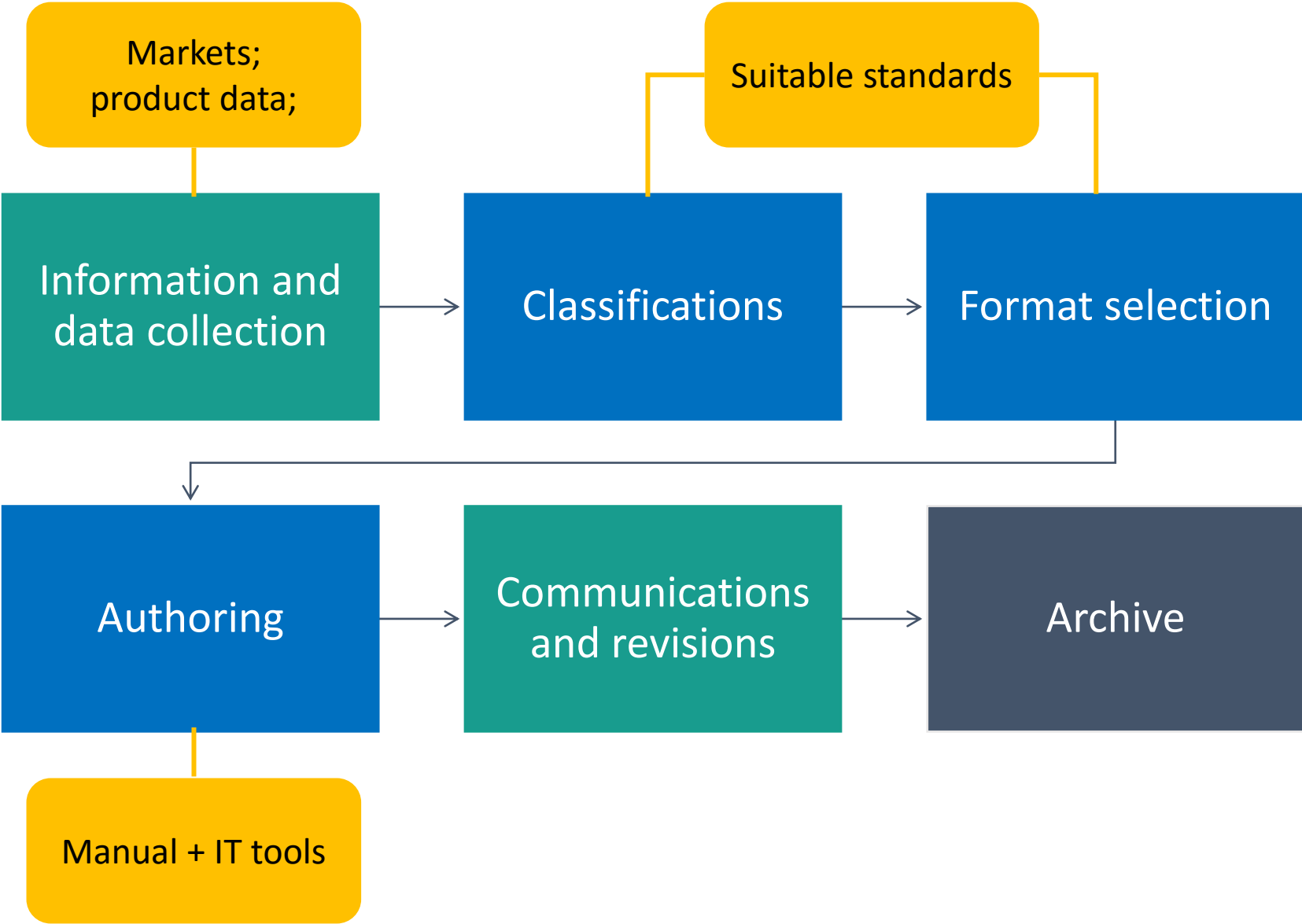
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# How CIRS author SDS/labels



# Examples of different formats



## 化学品安全技术说明书

根据 GB/T 16483-2008 标准和 GB/T 17519-2013 标准编写 产品系列

1.0 版本  
生效日期: 2019年11月05日  
修订日期: 2018年11月05日

SDS 编号: CSSS-TCO-010-100000

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### 第1部分 化学品及企业标识

化学品中文名:	产品名称
化学品英文名:	Product name
其他名称:	无
产品代码:	不适用
成分信息:	参见第3部分
产品的推荐用途与限制用途	
推荐用途:	工业用
限制用途:	无资料
供应商的详细信息	
名称:	
地址:	
电子邮箱:	
固定电话:	
传真:	
应急咨询电话(24h):	国家化学事故应急咨询专线(已签委托协议): 0532-83889090

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### 第2部分 危险性概述

紧急情况概述: 澄清, 黄色粘稠液体。易燃液体和蒸气。当温度等于或高于闪点时, 可能释放形成易燃混合物的蒸气。燃烧时会形成有毒气体, 烟雾和碳氧化物。吞咽有害。吸入有害。造成皮肤刺激。造成严重眼损伤。怀疑对生育能力或胎儿造成伤害。可能造成呼吸道刺激。可能造成昏昏欲睡或眩晕。吞咽及进入呼吸道可能有害。

GHS 危险性分类:		
物理危险	易燃液体	类别 3
健康危险	急性经口毒性	类别 4
	急性吸入毒性	类别 4
	皮肤腐蚀/刺激性	类别 2
	严重眼睛损伤/眼睛刺激性	类别 1
	生殖毒性	类别 2
	特异性靶器官毒性一次接触	类别 3
	吸入危害	类别 2

## Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,  
Amended by COMMISSION REGULATION (EU) 2015/830,  
According to REGULATION (EC) No 1272/2008

Ethanol

Version 1.0  
Issue date: 28-03-2018  
Revision date: 28-03-2018

SDS Record Number: CSSS-TCO-010-200000

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### Section 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier:

Identification on the label/Trade name:	Ethanol
Additional identification:	1-hydroxyethane
Identification of the product:	CAS#64-17-5_EC#200-578-6
Index Number:	603-002-00-5
REACH registration No.:	01-2119457610-43-****

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

- SU 15: Manufacture of fabricated metal products, except machinery and equipment;
- SU 16: Manufacture of computer, electronic and optical products, electrical equipment;
- SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment;
- SU 18: Manufacture of furniture;

1.2.2 Uses advised against:

No uses advised against are identified.

#### 1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative):	Chemical Inspection & Regulation Service Limited
Supplier(Manufacturer):	Company name
Address:	A street, B district, C city, country, Zipcode
Contact person(E-mail):	xxx@yyy.zzz
Telephone:	xxxxx
Fax:	xxxxx

#### 1.4 Emergency telephone Number:

+353 (1) 477 3710 (Only available during office hours (9:00a.m.-17:30p.m.))

Available outside office hours? YES  NO

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### Section 2 Hazards Identification

# When should I review/updates SDS/labels?



## The review period suggested in UN GHS

- The competent authority may choose to stipulate a time (usually 3-5 years)

## Some regions have specified the reviewing requirements(examples)

- US - new information available, SDS update in 3 months, label updates in 6 months
- China - SDS-5 years
- Singapore - SDS-5 years, new information should be added within 6 months
- Indonesia - SDS-5 years, label-2 years.

# TDG vs. GHS (example)

Summary of Classification and Labelling


**Harmonised classification - Annex VI of Regulation (EC) No 1272/2008 (CLP Regulation)**

General Information

Index Number	EC / List no.	CAS Number	International Chemical Identification
056-003-00-2	208-167-3	513-77-9	barium carbonate

ATP Inserted / Updated: CLP00  
CLP Classification (Table 3)

Classification		Labelling			Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)	Notes
Hazard Class and Category Code(s)	Hazard Statement Code(s)	Hazard Statement Code(s)	Supplementary Hazard Statement Code(s)	Pictograms, Signal Word Code(s)		
Acute Tox. 4 *	H302	H302		GHS07 Wng		

Signal Words	Pictograms
Warning	 Exclamation mark

LD50(oral, rat) > 300 mg/kg



Not dangerous goods

LD50(oral, rat) ≤ 300mg/kg

LD50(oral, rat) ≤ 50mg/kg



Class 6.1 DG



Find suitable UN number and proper shipping name

1564	BARIUM COMPOUND, N.O.S.	6.1		II	177 274	500 g	E4	P002 IBC08	B2, B4	T3	TP33
1564	BARIUM COMPOUND, N.O.S.	6.1		III	177 223 274	5 kg	E1	P002 IBC08 LP02	B3	T1	TP33

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# Recent updates – UN GHS rev. 8



<https://www.unece.org/fileadmin/DAM/trans/doc/2019/dgac10/ST-SG-AC10-46a3e.pdf>

## Classification criteria updates

- Explosives; aerosols; skin corrosive/irritation;

## New hazard category

- Chemicals under pressure; H282 H283 H284

## Non-GHS hazard for dust

- Dust explosions in Annex XI

## Recommend symbols for P102



# Recent updates – EU

## 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> ATP

- The 12<sup>th</sup> ATP implements the 6th and 7th amendments of the purple book. The changes will apply from October 2020.
- 13<sup>th</sup> and 14<sup>th</sup> ATP include updates to the Annex VI of CLP. The 13<sup>th</sup> ATP applied from May 2020. The 14<sup>th</sup> ATP will apply from September 2021.

## REACH Annex II updates - (EU)2020/878

- Based on GHS rev 6 and 7
- New requirements regarding UFI, nanoforms and endocrine disruptors, SCL/M factor/ATE
- Effect from Jan 1, 2021; SDS can be revised before Dec 31, 2022

# Recent updates – South Korea



## Standards update

- MoEL Public Notice No. 2020-247
  - updates: CBI, cut-off values, classification categories, communication statements

## SDS submission requirements

- Submit to MoEL with details of use information via IT system before manufacture or import
- Exempted if
  - ❑ Complete composition disclosure in Section 3
  - ❑ Product contains non-hazardous chemicals (which is not classified according to GHS) other than substances described in Section 3. Manufacturers/importers confirm hidden substance is not hazardous by using form no. 62 of enforcement rule of K-OSHA (Letter of Confirmation from overseas manufacturers or producers)



# Recent updates – Australia and New Zealand



## Australia

- Update to GHS rev 7
- Effective from Jan 1, 2021. Transition period: 2 years
- Updated guidance will be available on Safe Work Australia

## New Zealand

- Update to GHS rev 7
- Expect to be effect from April 2021

# 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](mailto:service@cirs-reach.com)

For our Consultation

