

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

**Sub-Committee of Experts on the Globally Harmonized
System of Classification and Labelling of Chemicals**

3 July 2011

Twenty-third session

Geneva, 4 (p.m) – 6 July 2012

Item 7 of the provisional agenda

Other business

OECD activities of interest to the Sub-Committee

**Transmitted by the Organisation for Economic Co-operation and
Development (OECD)**



BETTER POLICIES FOR BETTER LIVES

OECD activities of interest to the UN SCE GHS

23 rd session of the UNSCEGHS
4-6 July 2012

Anne Gourmelon & Sally de Marcellus
OECD Secretariat

eChemPortal activities (1)

- **More than 20 participating databases involved in substance identity**
- **4 databases participating in search by property**
- **Use and exposure information will be included**
- **Sharing of forward assessment agendas in development**



eChemPortal activities (2)

- WHO and ECHA worked on specifications for search on GHS classifications
- User requirements were proposed
- Development in 2013



Requirements for searching and displaying GHS classifications (1)


- Detailed 24 user needs
 - Improve the visibility of data containing C&L information in the substance search results.
 - Improve understanding about GHS classification
 - Chemical property search will not be combined with GHS C&L search.
 - Develop a specific GHS search that would contain only Reviewed* C&L according to GHS criteria.
 - The GHS search functionality should allow to view “in a glance” all the GHS classifications available for a same substance.



* undergone a review by a regulatory body or similar int. organisation

Requirements for searching and displaying GHS classifications (2)

The Global Portal to Information on Chemical Substances



eChemPortal

- Home
- Substance Search
- Property Search
- What's new?
- General Information
- Participating Databases
- Roles & Responsibilities
- Extension of the Portal
- Linking to eChemPortal
- Schedules of Assessments
- Help
- Contact Us
- Disclaimer

Chemical Substance Search Twenty-four data sources participate under Chemical Substance Search.

Chemical Property Data Search Four databases participate under Chemical Property Data Search.

Classification & Labelling Search The list of data sources participating in eChemPortal is continuously expanding.

In future, 3 search tracks provides free public access to information on properties of chemicals:

- Physical Chemical Properties
- Ecotoxicity
- Environmental Fate and Behaviour
- Toxicity

eChemPortal allows simultaneous searching of reports and datasets by chemical name and number and by chemical property. Direct links to collections of chemical hazard and risk information prepared for government chemical review programmes at national, regional and international levels are obtained. Classification results according to national/regional hazard classification schemes or to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) are provided when available. In addition, eChemPortal provides also exposure and use information on chemicals.

Latest news

Two additional databases: Combined exposure and Australian NICNAS Other available on eChemPortal
20 December 2011

Schedule of Chemicals Assessments available on eChemPortal
12 December 2011

Requirements for searching and displaying GHS classifications (3)

Substance Search

Substance Search Search Result Step 1 Search Result Step 2

Search history

- You searched for Number: 105-88-3
- Participants: ECHA, CHEM, ESIS, GHS-J, HPV, J-CHECK
- You selected Level: 1

Ways to proceed

- You can click a link in the "Remarks" column to find the substance in the participants database.
- You can select one or several substances in the "Check" column (if at least one is available) and continue with Property Search.

Check	Number	Name	Remarks	Level	Result	Source
<input type="checkbox"/>	105-88-3 (CAS Number)	Toluene (Chemical Name)	ESIS: CLP/GHS (Classification and Labelling of substances and mixtures). CLP implements the Globally Harmonised System (GHS). Regulation (EC) No 1272/2008	1	✓	ESIS
<input type="checkbox"/>	105-88-3 (CAS Number)	Toluene (Chemical Name)		1	✓	GHS-J
<input type="checkbox"/>	105-88-3 (CAS Number)	Toluene (Chemical Name)		1	⚠	J-CHECK
<input type="checkbox"/>	105-88-3 (CAS Number)	toluene (CAS Number)	ESIS: HPV/Cs (High Production Volume Chemicals)	1	✓	ESIS
<input type="checkbox"/>	203-625-9 (EC Number)	toluene (Chemical Name)		1	✓	ECHA, CHEM


6 Hit(s)

Select All Deselect All

Continue with Property Search

Substance search track will display classifications, either harmonized or self-classified.

The remark field or an informational icon will explain what the result is about.



Requirements for searching and displaying GHS classifications (4)

Search criteria:

- Classification hazard category
- M-factor acute value
- M-factor chronic value
- Combine query blocks with AND/OR/NOT
- Search in 1, more, all databases

Classification and labelling Search

Define the query criteria.
Search is not restricted to a selected source. Select source.

Search the C&L of a substance

Number:

CAS, EC, EUBMB, MITI, UN or NA Number.
Example: 100-80-3 for a CAS Number.
Make sure you include the number separator. Do not search on partial numbers.

Chemical name or synonym:

Example: Use "gluta*" to find Glutamic acid, use "chloro*" to find dichlorobenzene.
To search for "*" as character (non wildcard use) use "*" instead.

Search by classification

Add Query Block | New Query | Load Query | Save Query

Carcinogenicity Carc. 1A

AND

Hazard categories

M-Factor Chronic

M-Factor acute

The C&L search track will be searchable by hazard class and category. Queries on multiple hazards will be possible.



Requirements for searching and displaying GHS classifications (5)

Results:

- Specific regulatory number
- Substance ID number
- Name of the substance
- Form of the substance
- Classification hazard category
- M-factor acute value
- M-factor chronic value
- Signal word applied
- Pictogram
- Link to data source

Classification and labelling Search

Search history

- You searched for:
Name: formaldehyde
Participants: CCR, ECHA CHEM, J-CHECK, OECD SIDS RUILO
Classification: all
- Number of hits: 2
- Download results in CSV or EXCEL format

Query Result - Detailed classification and labelling

Regulatory Number	Substance name (IUPAC Name)	Substance number (CAS Number)	Form	Classification	Labelling	note	Result	Source
006-001-00-6	formaldehyde	50-001-8	Liquid	Acute Tox - oral 3 Acute Tox - dermal 3 Acute Tox - inhalation 3 Skin Corr. 1B Skin Sens. 1 Carc. 2	Danger 		<input type="checkbox"/>	ECHA/CHEM
1069	formaldehyde	50-001-0	Gas	Acute Tox - oral 4 Acute Tox - dermal 3 Acute Tox - inhalation 2 Skin Corr. 2 Eye Irrit. 2A Resp Sens. 1 Skin Sens. 1 Mutag. 2 Carc. 1A STOT Single Exp. 1 STOT Rep. Exp. 1 Aquatic Acute 2			<input type="checkbox"/>	J-CHECK

Other classification and labelling information

Number	Name	Result	Source
100-80-3 (CAS Number)	Toluene (toluene)	<input checked="" type="checkbox"/>	J-CHECK
100-80-3 (CAS Number)	toluene (toluene)	<input checked="" type="checkbox"/>	ESIS
100-80-3 (CAS Number)	Toluene (toluene)	<input checked="" type="checkbox"/>	GHS-J



Survey on the availability of GHS classifications

Public availability of national/regional GHS classifications - Windows Internet Explorer

http://www.oecd.org/document/24/0,3746,en_2649_37465_48733617_1_1_37465,00.html

Public availability of national/regional GHS classifications

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Public availability of national/regional GHS classifications

OECD Home Environment Public availability of national/regional GHS classifications

Public availability of national/regional GHS classifications

OECD contributes to improving access to national/regional GHS classifications through eChemPortal, a globally accessible international repository for hazard data on existing chemicals launched in 2003. GHS classifications will continue to be added to eChemPortal as they become available.

Several OECD member countries and other organisations have made their GHS classifications public through the internet. The table below outlines the current status based on a survey performed in 2011.

Availability of GHS Classifications from OECD Countries and Other Organisations

Countries/Regions	Does your country or organisation classify and label chemicals according to GHS?	Are the results publicly available on the internet?	Is the underlying dataset available to the public?	Is a rationale available to the public?	Comments
		In eChemPortal?	In eChemPortal?	In eChemPortal?	
Australia	Yes Australian Dangerous Goods List classified for physical hazards, acute toxicity and aquatic toxicity (-1200 substances)	No	No	No	From 2012, the Hazardous Substance Information System (HSIS) will classify according to GHS
Canada	No	No	No	No	
European Union	Yes Annex VI, Table 3.1 to European Commission CLP Regulation No. 1272/2008, also called the CLP list	Yes LINK	No Data available for some chemicals but not linked to the list. In mid-2011, data will be available from ECHA	Partially From 2011, rationales are available on ECHA's website for all new or updated entries (LINK)	From mid-2011, Annex VI, Table 3.1 (EC Reg 1272/2008) and notified classification and labelling by industry (from C & L notifications and REACH registration)

2011: survey on availability of national/regional GHS classifications.

This survey will be updated on regular basis

Found via hazard assessment under OECD EHS website

http://www.oecd.org/pages/0,3417,en_36794952_36794103_1_1_1_3_00.html

GHS Global Partnership

More information at:

<http://www.oecd.org/dataoecd/61/51/50500627.pdf>

WSSD Global Partnership for Capacity Building to Implement the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

The GHS and the Global Partnership: a success story from Rio to Rio

Achievements, lessons learned and future directions

June 2012



Task Force Hazard Assessment

- OECD focal point for the UN SCE GHS on classification and labelling for environmental and human health hazards
- Meeting on 13-14 June 2012
- Proposal to participate in pilot for one substance submitted to its CoCAM in 2012 or 2013:
 - Identify substance with diverging classifications
 - Analyse where differences are coming from
 - Propose if possible a harmonise classification
 - Report experience to the UN SCEGHS

