



NEW DATA RESOURCES: OECD's eCHEMPORTAL

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Communication Spring Meeting 2014

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Presentation

- **OECD**
- **What eChemPortal is**
- **How to use eChemPortal**
- **Data sources**
- **Information classifications according to the GHS**
- **Conclusion**





Presentation

- **OECD**
- What eChemPortal is
- How to use eChemPortal
- Data sources
- Information classifications according to the GHS
- Conclusion



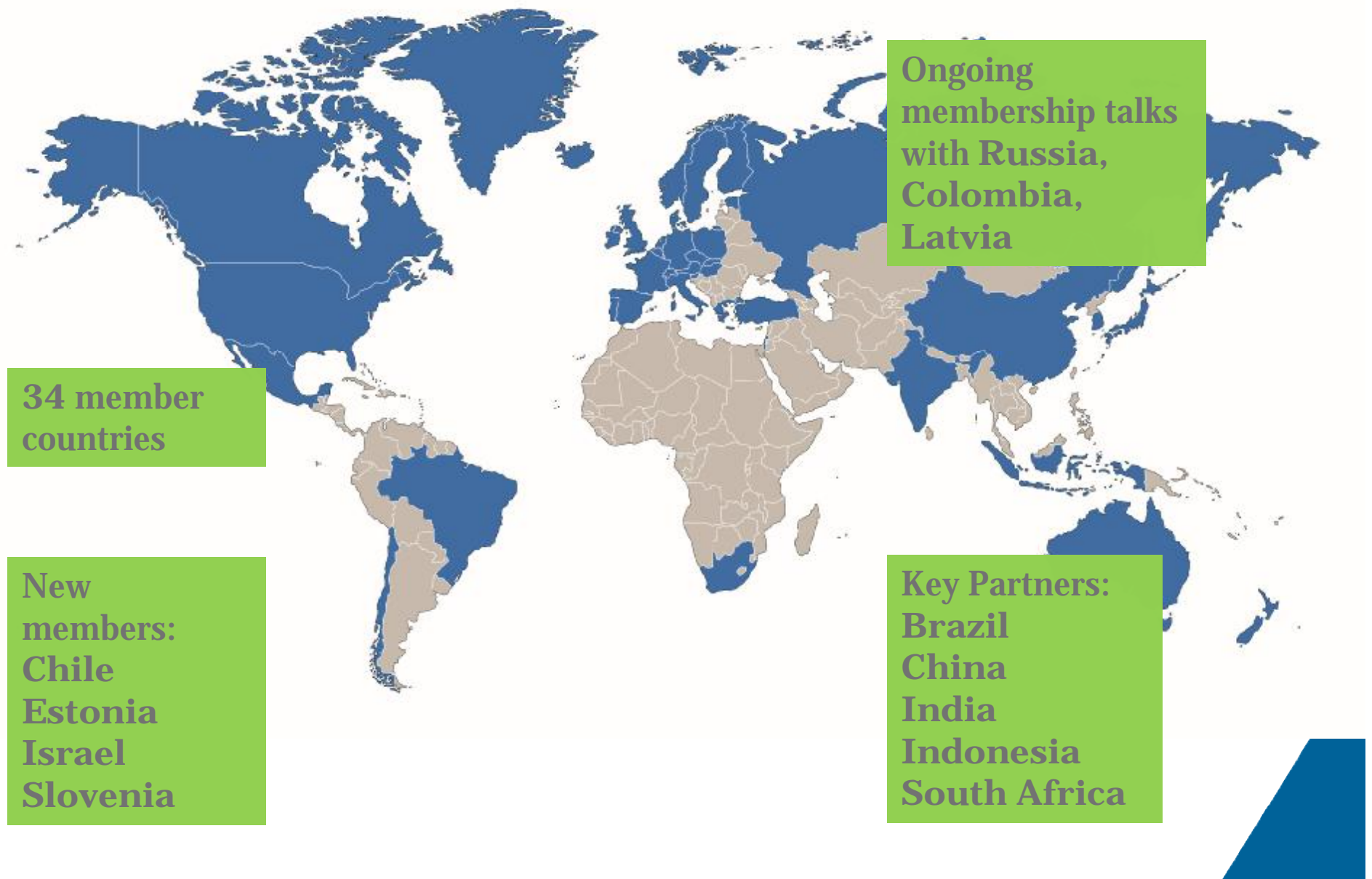


Organisation for Economic Co-operation and Development (OECD)

- An **intergovernmental organization**
- A **forum** in which **governments**:
 - work together and with representatives from business and **civil society**
 - compare and share **policy experiences** (social, economic, environmental)
 - seek answers to common problems & **identify good practices**
 - **promote decisions and recommendations**
- Key words at OECD:
dialogue, consensus, peer review & pressure



OECD's global reach





OECD eChemPortal Activity

- **Step towards achieving international commitments**
 - SAICM: “Facilitate public access to appropriate information and knowledge of chemicals throughout their life cycle...”.
- **OECD Steering Group for development**
 - Canada, Japan, United States, EC, ECHA, the OECD Business and Industry Advisory Committee (BIAC), IPCS, UNEP, chemicals and environmental NGOs
- **Developed in collaboration with ECHA**
- **Hosted by ECHA**





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- OECD
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- How to use eChemPortal
- Data sources
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eChemPortal vision Statement

eChemPortal - The Global Portal to Information on Chemical Substances, will be the preferred worldwide source of information about chemicals from authorities and international organisations.



www.oecd.org/ehs/echempportal





What eChemPortal is

Internet Portal

Data sources submit enough data to allow queries.

Data Source A



automatic or manual



eChemPortal

User



Direct link to information in the data source website.

Query is executed at Portal itself. Displays homogenous query result.

Data Source B



Data Source C...





Information found through eChemPortal

- **Information prepared for government chemical review programmes**
 - Property information (e.g. hazard & risk assessments, test data)
 - Exposure and use information
 - National classification results (GHS)
- **Existing & new industrial chemicals, pesticides & biocides**
- **Assessment scheduling information on existing industrial chemicals (not in search)**





Users

- All stakeholders for whom such regulatory relevant information is critical
 - Regulators
 - Industry
 - Academics
 - International organisations
 - General public





eChemPortal's added value

- Searches data from **multiple sources** simultaneously
- Identifies **relevant** information
- Provides direct **free** access to information
- Describes the **type of review** the data have undergone
- Allows a **broad search** on substance identification (incl. synonyms, trade names, in different languages)
- Is implemented with the **common electronic data formats** for reporting chemical test summaries
 - OECD Harmonised Templates for Reporting Chemical Test Summaries (OHTs) www.oecd.org/ehs/templates
 - Tests according to OECD Test Guidelines, national guidelines: US EPA, EU methods, ISO...
 - Data sources based on OHT can participate efficiently, e.g. IUCLID 5





Presentation

- OECD
- What eChemPortal is
- **How to use eChemPortal**
- Information classifications according to the GHS
- Conclusion






Main functionality

- Searches by
 - substance identification
 - property and effects criteria
 - substance and then by property criteria






Home page (www.oecd.org/ehs/echempportal)



Print
English ▼

The Global Portal to Information on Chemical Substances

eChemPortal

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
- Structure Search
- GHS Classifications
- Other useful information
- FAQ
- Help
- Contact us
- Disclaimer

Chemical Substance Search

Chemical Property Data Search

Twenty-eight data sources participate under Chemical Substance Search.
Four databases participate under Chemical Property Data Search.
The [list of data sources participating](#) in eChemPortal is continuously expanding.

Help us to help you.
Answer the User Survey

eChemPortal 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

Latest news


Help us to help you. A new survey is on-line to collect eChemPortal user feedback
21 February 2014

eChemPortal has a new refreshed logo
21 February 2014

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Substance search

The Global Portal to Information on Chemical Substances



eChemPortal

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Substance Search - criteria entry screen

The Global Portal to Information on Chemical Substances

 eChemPortal

eChemPortal

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Substance Search

Number:

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number.
Make sure you include the number separators. Do not search on partial Numbers.

Chemical name or synonym:

triclosan

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

Databases:

☒ ACToR

☒ AGRITOX

☒ APVMA-CR

☒ CCR

☒ CESAR

☒ Combined Exposures

☒ ECHA CHEM

☒ EnviChem

☒ EPA HHBP

☒ EPA OPPALB

☒ ESIS

☒ GDI

Select All Deselect All

Select one or more of the participating databases for your search.

Search

Reset

Search by

- Reference Number
- Chemical name or synonym
- Query URLs, e.g.
http://www.echemportal.org/echemportal/substancesearch/substancesearch_execute.action?numberType=CAS&number=95-63-6&allParticipants=true



Substance Search - results

Query results, level 1 

Your search criteria retrieved the substances below because it matched the data (identifier, name, other name or identifier) submitted by a data source(s).

Indirect query results, level 2 

These tables contain results that do not directly match your search criteria but that may be of interest to you.

Indirect query results, level 3 





Substance search - intermediate results

Overall query results

Click the following link to see details for all query results.

- [17 Line\(s\) with 24 Hit\(s\)](#) found as overall query results (including indirect query results)

Query results, level 1



Your search criteria retrieved the substance(s) below or the same substance(s) identified by another identifier. Click on the column headers to sort the results in the table.

Hit(s)	Number	Name
4	3380-34-5 (CAS Number)	Triclosan (Unknown)
2	3380-34-5 (CAS Number)	triclosan (EC Name)
1	3380-34-5 (CAS Number)	2,4,4'-Trichloro-2'--hydroxydiphenyl ether (Unknown)
1	3380-34-5 (CAS Number)	TRICLOSAN (Unknown)
1	64111-81-5 (CAS Number)	Triclosan (Unknown)
1	88032-08-0 (CAS Number)	TRICLOSAN (Unknown)
1		Triclosan (Unknown)

Indirect query results, level 2



The table below contains the results of a subsequent search on numbers, names or synonyms based on the query results. Click on the column headers to sort the results in the table.

Hit(s)	Number	Name
3	3380-34-5 (CAS Number)	Phenol, 5-chloro-2-(2,4-dichlorophenoxy)- (Unknown)
2	64111-81-5 (CAS Number)	Phenol, 2-phenoxy-, trichloro deriv. (Unknown)



Substance search - final results

Check	Number	Name	Remark	Level	Result	Source
	3380-34-5 (CAS Number)	5-Chloro-2-(2,4-dichlorophenoxy) phenol (Unknown)				EnviChem
	3380-34-5 (CAS Number)	Triclosan (Unknown)				HSNO CCID
	3380-34-5 (CAS Number)	Triclosan (Unknown)				ACToR
	3380-34-5 (CAS Number)	5-chloro-2-(2,4-dichlorophenoxy) phenol (IUPAC Name)	triclosan			ECHA CHEM
	3380-34-5 (CAS Number)	triclosan (EC Name)	ESIS : LPVCs (Low Production Volume Chemicals)			ESIS
	3380-34-5 (CAS Number)	TRICLOSAN (Unknown)				HSDB
	3380-34-5 (CAS Number)	triclosan (Unknown)	Priority Existing Chemical Assessment Report No. 30: Triclosan			NICNAS PEC
	3380-34-5 (CAS Number)	Triclosan (Unknown)				EPA HHBP
	3380-34-5 (CAS Number)	triclosan (EC Name)	ESIS : CLP/GHS (Classification, Labelling and Packaging of substances and mixtures), CLP implements the Globally harmonised System (GHS).			ESIS



Result in local data source

http://toxnet.nlm.nih.gov/cgi-bin/sis/search/r?dbs+hsdb:@

File Edit View Favorites Tools Help

Hazardous Substances Data Bank
HSDB

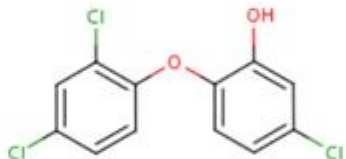
Download Details Other Files
Help

TOXNET Home
Item 1 of 1
NATIONAL LIBRARY OF MEDICINE

Table of Contents
Contract all categories
Expand all categories
Select Clear

- FULL RECORD
- Human Health Effects
 - Evidence for Carcinogenicity
 - Human Toxicity Excerpts
 - Probable Routes of Human Exposure
 - Body Burden
- Emergency Medical Treatment
 - Emergency Medical Treatment
 - Antidote and Emergency Treatment
- Animal Toxicity Studies
 - Evidence for Carcinogenicity
 - Non-Human Toxicity Excerpts
 - Ecotoxicity Excerpts
 - Non-Human Toxicity Values
 - Ecotoxicity Values
- Metabolism/Pharmacokinetics
 - Metabolism/Pharmacokinetics

TRICLOSAN
CASRN: 3380-34-5



For other data, click on the Table of Contents

Human Health Effects:

Evidence for Carcinogenicity:
Cancer Classification: Not Yet Determined
[USEPA Office of Pesticide Programs, Health Effects Division, Science Information Management Branch: "Chemicals Evaluated for Carcinogenic Potential" (April 26, 2006)] **PEER REVIEWED**

Property search

The Global Portal to Information on Chemical Substances

**eChemPortal**

eChemPortal ▾

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- Substance Search
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- General Information
- Participating Databases
- Roles & Responsibilities
- Extension of the Portal
- Linking to eChemPortal
- Schedules of Assessments
- Structure Search
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Chemical Substance Search

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Chemical Property Data Search

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- Ecotoxicity
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Property search - data point tree

The Global Portal to Information on Chemical Substances



eChemPortal


eChemPortal ▾

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Property Search

Select Query Block Type

Select a section for which to define query criteria.

 [Load Query](#)

- + Physical and chemical properties
- + Environmental fate and pathways
- + **Ecotoxicological Information**
- + Toxicological information

⬆





Property search: <Short-term toxicity to fish>

Property Search

Select Query Block Type

Select a section for which to define query criteria.

 Load Query

+ Physical and chemical properties

+ Environmental fate and pathways

- Ecotoxicological Information

- Aquatic toxicity

Short-term toxicity to fish

Long-term toxicity to fish

Short-term toxicity to aquatic invertebrates

Long-term toxicity to aquatic invertebrates

Toxicity to aquatic algae and cyanobacteria

Toxicity to aquatic plants other than algae

Toxicity to microorganisms

Toxicity to other aquatic organisms



Property search - criteria entry screen

Short-term toxicity to fish

Define the search criteria for the Query Block.

Cancel Save

Study result type:

Reliability:

Reference, Year:

=

Test guideline, Qualifier:

Test guideline, Guideline:

GLP compliance:

Test organisms (species):

Test type:

Water media type:

Total exposure duration:

= min [h]

Effect concentrations, Endpoint:

LC50

Effect concentrations, Effect conc.:

overlapping - 1 mg/L

Effect concentrations, Conc. based on:

Effect concentrations, Basis for effect:

Cancel Save



Property search - criteria

Property Search

Property Search

Define the query criteria.

Search is not restricted to a selected source. [Select source.](#)

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

Short-term toxicity to fish

Effect concentrations, Endpoint = LC50

Effect concentrations, Effect conc. overlapping: < 1 mg/L

AND

Partition coefficient

Partition coefficient, Partition coefficient overlapping: < 3

Execute Query



Property search - result

[Back to Property Search](#)[CSV Excel](#) Results **1 - 10** of **3462**(limited result)[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

Substance	Results	Source
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 0.6	ECHA CHEM ↗
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 0.7	ECHA CHEM ↗
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.9	ECHA CHEM ↗
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish Effect concentrations, Endpoint: LC50 Effect concentrations, Effect conc.: 34.3 µg/L	ECHA CHEM ↗
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish Effect concentrations, Endpoint: LC50 Effect concentrations, Effect conc.: 37.7 µg/L	ECHA CHEM ↗
(RS)-4-hydroxy-3-(3-oxo-1-phenylbutyl)coumarin (IUPAC Name) 81-81-2 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish Effect concentrations, Endpoint: LC50 Effect concentrations, Effect conc.: 46 µg/L	ECHA CHEM ↗
-D-Galactopyranoside, 6-bromo-2-naphthalenyl (Unknown) 15572-30-2 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 1.57 (predicted by KowWin)	CCR ↗



✕ Short-term toxicity to fish

Reliability = 1 (reliable without restriction)

Effect concentrations, Endpoint = LC50

Effect concentrations, Effect conc. overlapping: < 1 mg/L

⬅ ➡ ⬆ AND ▼

✕ Partition coefficient

Partition coefficient, Partition coefficient overlapping: < 3

Back to Property Search			CSV Excel	Results 1 - 10 of 121(limited result)
1 2 3 4 5 6 7 8 9 10 Next				
Substance	Results	Source		
2-Amino-5-chlorophenol (IUPAC Name) 28443-50-7 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 1.24	ECHA CHEM		
2-Amino-5-chlorophenol (IUPAC Name) 28443-50-7 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish Reliability: 1 (reliable without restriction) Effect concentrations, Endpoint: LC50 Effect concentrations, Effect conc.: 0.5 mg/L	ECHA CHEM		
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (IUPAC Name) 119313-12-1 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.91	ECHA CHEM		
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (IUPAC Name) 119313-12-1 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.91	ECHA CHEM		
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (IUPAC Name) 119313-12-1 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish Reliability: 1 (reliable without restriction) Effect concentrations, Endpoint: LC50 Effect concentrations, Effect conc.: 0.46 mg/L	ECHA CHEM		
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (IUPAC Name) 119313-12-1 (CAS Number) Member of Category: no View Dataset...	Short-term toxicity to fish	ECHA		



Result in local data source

Browser address bar: <http://apps.echa.europa.eu/registered/data/dossiers/DISS-9eae5c>

Page title: **2-amino-5-chlorophenol**

Use of this information is subject to copyright laws and may require the permission of the owner of the information, as described in the ECHA [Legal Notice](#).

> Home page

■ General Information

■ Classification and Labelling

■ Physical and chemical properties

■ Environmental fate and pathways

■ Ecotoxicological Information

> Aquatic toxicity

> Short-term toxicity to fish

> Exp NS Short-term toxicity to fish.001

> Toxicity to microorganisms

■ Toxicological information

■ Guidance on safe use

Exp NS Short-term toxicity to fish.001

Administrative Data | Data source | Materials and methods | Results and discussions

Applicant's summary and conclusion

Endpoint	LC50
Effect conc.	5.01 mg/L
Duration	96 h
Endpoint	LC50
Effect conc.	0.5 mg/L
Duration	96 h
Endpoint	LC100
Effect conc.	2.2 mg/L



Search and property search: CAS Number <142-96-1>

Check	Number	Name	Remark	Level	Result	Source
	142-96-1 (CAS Number)	n-Butylether (Unknown)				EnviChem
	142-96-1 (CAS Number)	Butane, 1,1'-oxybis (Unknown)				HSNO CCID
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	Butyl ether (Unknown)				J-CHECK
	142-96-1 (CAS Number)	Butyl ether, n- (Unknown)				INCHEM
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	1,1'-oxydibutane (IUPAC Name)	dibutyl ether			ECHA CHEM
	142-96-1 (CAS Number)	Butyl ether (Unknown)				ACToR
	142-96-1 (CAS Number)	Butane, 1,1'-oxybis (Unknown)				US EPA SRS
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	1,1'-oxydibutane (IUPAC Name)	dibutyl ether (IUC4 DSN 142)			OECD SIDS IUCLID
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	Butane, 1,1 -oxybis (Unknown)				CCR
	142-96-1 (CAS Number)	dibutyl ether (EC Name)	ESIS : CLP/GHS (Classification.			ESIS

Select All Deselect All

Continue with Property Search





Search and property search

Property Search

Select Query Block Type

Select a section for which to define query criteria.

 [Load Query](#)

☒ **Physical and chemical properties**

☒ **Environmental fate and pathways**

☒ **Ecotoxicological Information**

☒ **Toxicological information**

☒ Toxicokinetics, metabolism and distribution

[Basic toxicokinetics](#)

[Dermal absorption](#)

☒ Acute Toxicity

[Acute toxicity: oral](#)

[Acute toxicity: inhalation](#)

[Acute toxicity: dermal](#)

[Acute toxicity: other routes](#)

☐ Irritation / Corrosion





Search and property search criteria:

Acute toxicity: oral

You can search on a data point without entering additional criteria.

Acute toxicity: oral

Define the search criteria for the Query Block.

Study result type:

Reliability:

Reference, Year:

=

Test type:

Test guideline, Qualifier:

Test guideline, Guideline:

GLP compliance:



Search and property search criteria:

Biodegradation in water: screening test

Property Search

Substance Search Result **Property Search**

Define the query criteria.

Search is restricted to a set of Substances. [View Substances.](#)

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

 Acute toxicity: oral

Execute Query





Search and property search result


Property Search Result

[Back to Property Search](#)[CSV Excel](#) Results **1 - 4 of 4**

Substance	Results	Source
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral	OECD SIDS IUCLID
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral	OECD SIDS IUCLID
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral	ECHA CHEM
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral	ECHA CHEM



Result in local data source





OECD Existing Chemicals Screening Information Data Sets (SIDS)

Queries

Section tree

Document

 dibutyl ether (IUC4 DSN 142) / dibutyl ether / 1,1'-oxydibutane / 142-96-1 / OECD / Paris / France

 Acute toxicity: oral, IUC4#7/Ch.5.1.1

Administrative Data


Data source

Materials and methods

Results and discussions

Overall remarks, attachments

Administrative Data

 other:Critical study for SIDS endpoint

Purpose flag key study

☐ robust study summary

☐ used for classification

☐ used for MSDS

Data waiving

Justification for data waiving

Study result type

Study period

Reliability 2 (reliable with restrictions)

Rationale for reliability incl. Well performed study, study performance before deficiencies implementation of GLP, purity of test item not reported

Data source

Reference



Assessment scheduling information on existing industrial chemicals

The Global Portal to Information on Chemical Substances



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A Roadmap to National and Regional Programmes' work on Chemicals Assessment

Efforts continue to be made in OECD to create, maintain and improve the various parts of a process which looks at sharing in a mutually beneficial manner work from National and Regional Chemicals Programmes while saving resources and avoiding inefficiencies caused by duplicative work.

The links below lead to existing scheduling information of national/regional and international assessments notified to the OECD by OECD member countries and stakeholders. They are provided here with the aim to assist in avoiding duplication across national/regional programmes in the area of chemical assessment.

A project is underway to provide a more integrated access to this information in the future.

Links

- *Australia
 - National Industrial Chemicals Notification and Assessment Scheme (NICNAS) - PEC Declarations: [Priority Existing Chemicals under assessment and the expected date of completion](#)
- Canada's Chemicals Management Plan
 - Overview of the Substances Grouping Initiative [English](#), [French](#)
 - Forward Agenda: [English](#), [French](#), [EXCEL \(EN & FR\)](#)
 - Summary of Previous Assessments [English](#), [French](#)
- EU REACH
 - [List of registered substances](#)
 - [Candidate List of Substances of Very High Concern](#)
 - [Registry of Intentions \(SVHC, Harmonised C&L, Restrictions\)](#)
- The United States
 - National Center for Risk Assessment - IRIS Substance Assessment Tracking System: [Chemicals currently being assessed or planned](#)



Presentation

- OECD
- What eChemPortal is
- How to use eChemPortal
- **Data sources**
- Information classifications according to the GHS
- Conclusion





Participating data sources

- 28 data sources participate in substance search
 - Australia, Canada, Finland, France, Japan, New Zealand, UK, USA, EU, IOs
- 4 data sources in property data search
 - Canada (CCR) ; EU (ECHA CHEM); Japan (J-CHECK); OECD (OECD SIDS IUCLID)
- The number of data sources participating in eChemPortal is continuously increasing





Participating data sources

- U.S. EPA Aggregated Computational Toxicology Resource (ACToR)
- AGRITOX - Base de données sur les substances actives phytopharmaceutiques
- The Australian Pesticides and Veterinary Medicines Authority (APVMA) database
- Canadian Categorization Results (Env. & Human Health)
- Canada's Existing Substances Assessment Repository
- Collection of Case Studies on Risk Assessments of Combined Exposures to Multiple Chemicals
- ECHA's Dissemination portal with information on chemical substances registered under REACH.
- Data Bank of Environmental Properties of Chemicals (EnviChem)
- US EPA Human Health Benchmarks for Pesticides
- US EPA Office of Pesticide Programs' Aquatic Life Benchmarks
- European Chemical Substances Information System (ESIS)
- Gefahrstoffdatenbank der Länder
- The Result of the GHS Classification by the Japanese Government
- US High Production Volume Information System (HPVIS)
- Hazardous Substance Data Bank (HSDB)
- New Zealand Hazardous Substances and New Organisms Chemical Classification Information Database (HSNO CCID)
- Chemical Safety Information from Intergovernmental Organizations - INCHEM
- Japan CHEMicals Collaborative Knowledge database (J-CHECK)
- Japan Existing Chemical Data Base (JECDB)
- Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS) assessments of existing chemicals other than Priority Existing Chemical assessments
- NICNAS Priority Existing Chemical Assessment Reports (NICNAS PEC)
- OECD Existing Chemicals Database
- OECD Existing Chemicals Screening Information Data Sets (SIDS) Database
- OECD Initial Assessment Reports for HPV Chemicals including Screening Information Data Sets (SIDS) as maintained by United Nations Environment Programme (UNEP) Chemicals
- Substances in Preparations In the Nordic countries (SPIN)
- UK Coordinated Chemicals Risk Management Programme Publications
- US EPA Integrated Risk Information System (IRIS)
- US EPA Substance Registry Services (US EPA SRS)





Description of data source

The Global Portal to Information on Chemical Substances



eChemPortal

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
- Structure Search
- GHS Classifications
- Other useful information
- FAQ
- Help
- Contact us
- Disclaimer

Participating Databases

Participating Databases GHS-J



National Institute of Technology and Evaluation
独立行政法人 製品評価技術基盤機構
[The Result of the GHS Classification by the Japanese Government](#)

Type of information that can be found via eChemPortal:
National GHS classifications.

General information:
The GHS-J is a database of GHS classification results by the Japanese government since 2006. This database includes GHS classification guidance by the Japanese government and classification results (classification, symbol, signal word and hazard statement) in accordance with the guidance, etc. These classification are an advisory classification and intended to be used as reference for preparing GHS labelling and SDS by enterprises.





Presentation

- OECD
- What eChemPortal is
- How to use eChemPortal
- Data sources
- **Information classifications according to the GHS**
- Conclusion





National GHS classifications

- Currently 7 databases disseminate GHS information via eChemPortal
 - AGRITOX (European CLP Regulation) (France)
 - INCHEM by WHO/IPCS via its International Chemical Safety Cards
 - ECHA CHEM (Registration dossiers' section 2.1 on C&L) (Europe)
 - HSNO CCID (based on GHS) (New Zealand)
 - GDL (European CLP Regulation) (Germany)
 - GHS-J (Japan)
 - ESIS (Europe)
- ECHA public C&L inventory (in 2014)
- Video tutorial on how to find classification information (in 2014)





Future developments – 2014 (1)

- Filter results by type
 - Property information
 - Exposure & use information
 - National GHS classifications

The screenshot shows a search filter interface with two main sections: 'Type:' and 'Databases:'. The 'Type:' section has three checkboxes: 'Property information' (unchecked), 'Exposure and use information' (checked), and 'National GHS classifications' (unchecked). Below these are links for 'Select All' and 'Deselect All', and a note: 'Select one or more of the types of information for your search'. The 'Databases:' section has two columns of checkboxes. The first column lists 'Source 1' through 'Source 6', with 'Source 3' and 'Source 6' checked. The second column lists 'Source 7' through 'Source 12', with 'Source 10' and 'Source 11' checked. Below these are links for 'Select All' and 'Deselect All', and a note: 'Select one or more of the participating databases for your search.' At the bottom left are 'Search' and 'Reset' buttons. A large 'Draft' watermark is visible across the center of the form.

Type:	Databases:	
<input type="checkbox"/> Property information	<input type="checkbox"/> Source 1	<input type="checkbox"/> Source 7
<input checked="" type="checkbox"/> Exposure and use information	<input type="checkbox"/> Source 2	<input type="checkbox"/> Source 8
<input type="checkbox"/> National GHS classifications	<input checked="" type="checkbox"/> Source 3	<input type="checkbox"/> Source 9
Select All Deselect All	<input type="checkbox"/> Source 4	<input checked="" type="checkbox"/> Source 10
Select one or more of the types of information for your search.	<input type="checkbox"/> Source 5	<input checked="" type="checkbox"/> Source 11
	<input checked="" type="checkbox"/> Source 6	<input type="checkbox"/> Source 12
	Select All Deselect All	
	Select one or more of the participating databases for your search.	

[Reset](#)

» Future developments – 2014 (2)

- GHS classification search
 - By chemical substance
 - By classification hazard category
 - A combination of both
- Only Harmonised / “Reviewed”*

Search is not restricted to a selected source. [Select source](#)

Search the C&L of a substance

Number:

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number.
Make sure you include the number separators. 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.

[Reset](#)

Search by classification

[+ Add Query Block](#) | [New Query](#) | [Load Query](#) | [Save Query](#)

☒ **Carcinogenicity**
Hazard categories = Carc. 1A

[↔](#) [↕](#) [↔](#) **AND** ▼

Hazard categories

[Reset](#)

*“Reviewed C&L” means that the C&L has undergone a review by a regulatory body or similar international organisation e.g. substances listed in table 3.1 of the Annex VI to the CLP Regulation in Europe



Future developments – 2014 (2b)

View
“in a glance”
all GHS
classifications
available for
same substance

The second table includes results from data sources which indicate they contain C&L data but cannot submit in the correct format or contain self-classifications.

Query Result - Reviewed / harmonised classification and labelling

Ways to proceed

- You can click a link in the “Result” column to see the substance in the participants database

Regulatory number	Substance name (IUPAC name)	Substance number (EC number)	Form	Classification	Labelling	Qualifier	Result	Source
XXX-XXX-XX-X	Chemical 1	XXX-XXX-X	Liquid	Acute Tox - oral 3 Acute Tox - dermal 3 Acute Tox - inhalation 3 Skin Corr. 1B Skin Sens. 1 Carc 2	Danger 			Source 1
ID69	Chemical 1	XXX-XX-X	Gas	Acute Tox - oral 4 Acute Tox - dermal 3 Acute Tox - inhalation 2 in 2 Eye Irrit. 2A Resp Sens. 1 Resp Sens. 1 Muta. 2 Carc 1A STOT Single Exp. 1 STOT Rep. Exp. 1 Aquatic Acute 2	Not submitted by participant			Source 2

Other classification and labelling information

Number	Name	Remark	Level	Result	Source
XXX-XX-X (CAS Number)	Chemical 1 (IUPAC Name)				Source 3



Future developments – 2014 (2c)

View all substances
with specific
classification hazard
category/ies

Classification and labelling search




Search history

- You searched for
Classification: [Carc. 1A](#)
- Number of hits: [2](#)
- Download results in [CVS](#) or [EXCEL](#) format

Query Result - Reviewed / harmonised classification and labelling

Ways to proceed

- You can click a link in the "Result" column to see the substance in the participants database

Regulatory number	Substance name	Substance number	Form	Classification	Labelling	Qualifier	Result	Source
XXX-XXX-XX-X	Chemical 1	XXX-XXX-X (CAS Number)		Acute Tox. 3 Skin Corr. 1B Skin Sens. 1 Acute Tox. 2 Muta. 2 Carc. 1A	Danger 	YES		Source 1
ID261	Chemical 2	XXX-XXX-X (CAS Number)		Ox. Sol. 2 Skin Corr. 1A Skin Corr. 1B Skin Corr. 1C Muta. 1A Carc. 1A Asp. Tox. 1	Not submitted by participant			Source 2

2 Hit(s)



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Conclusion

- Achieving the Vision:
 - make relevant **data freely available** on the Internet (authorities & IOs).
 - **identify relevant data** to be linked to eChemPortal (OECD Stakeholders).
 - implement **IT systems** with the **OECD Harmonised Templates** (Data sources).
 - develop **processes to submit data** to eChemPortal (authorities & IOs).





Thank you

