

# Overview of information sources on the ECHA website

## Implementation of REACH and CLP and future challenges

3 December 2015

Luxembourg

Laura Walin

Directorate of Registration

European Chemicals Agency

## Key principle –public right to know

### REACH

ECHA to make information on substances publicly available over the internet, free of charge

REACH Articles 77(2)(e) & 119

### Biocidal products (BPR)

ECHA to make publicly and easily available, free of charge, information on active substances, biocidal products, and non-confidential parts of assessment reports

BPR Article 67

### Classification, Labelling & Packaging (CLP)

ECHA to make publicly accessible the C&L inventory

CLP Article 42

### Export & Import of Hazardous chemicals (PIC)

ECHA to make publicly available on its website the database on export and import of hazardous chemicals

PIC Article 6

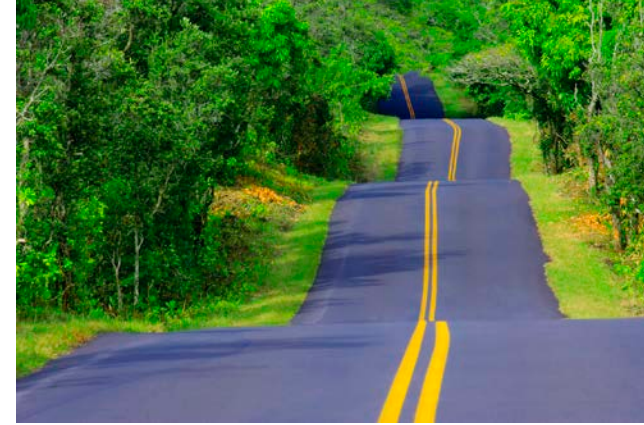
# **Our approach to dissemination**

**Maximise the availability of  
(non confidential) information  
on ECHA website**

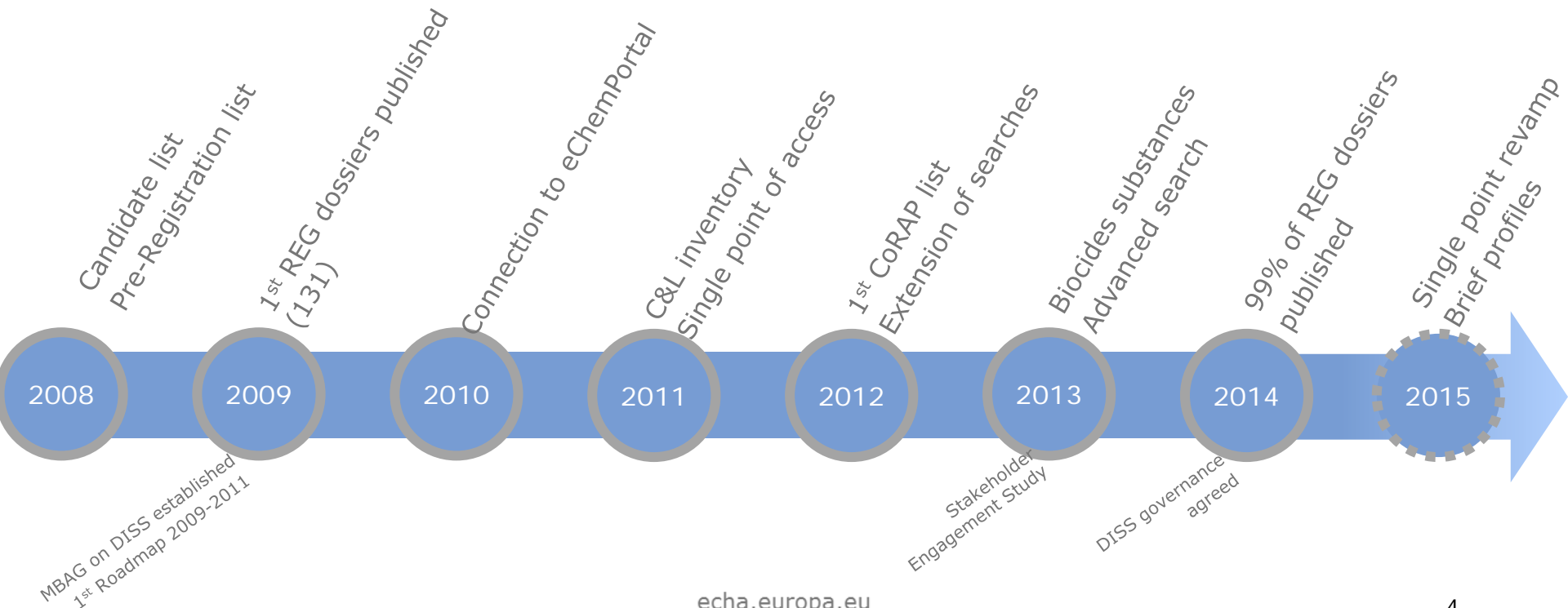
**Be transparent on regulatory decisions**

**Be predictable for registrants**





# Our path since 2008



**Eight years later...**  
**Where do we stand?**



## Currently on our website...

163

Substances of Very High Concern

460

Risk management proposals

1 500

Dossiers for high production volume (HPV) chemicals checked for compliance

14 000

Substances registered under REACH

120 000

Substances classified with GHS

2 million

Study summaries on properties and effects of chemicals

## And also...

- Registration statistics
- Substances in articles information
- Information on the regulatory processes: CoRAP, Candidate list, Authorisation, Restrictions
- Biocidal active substances and biocidal products
- Chemicals subject to PIC
- Risk assessments from previous legislations
- ...

<http://echa.europa.eu>

An agency of the European Union | Document library | News and Events | Press | Contact | English (en)

 EUROPEAN CHEMICALS AGENCY

Search the ECHA Website

Advanced search >

[About Us](#) | [Regulations](#) | [Addressing Chemicals of Concern](#) | **[Information on Chemicals](#)** | [Chemicals in our Life](#) | [Support](#)

ECHA > Homepage

 1.2K



17/11/2015 - Press release  
**REACH 2018: Find your co-registrants**


Companies manufacturing or importing the same substance will need to work together to prepare their registration. This is an obligation under the REACH Regulation. Therefore, companies preparing for the 2018 registration deadline need to find their co-registrants and establish substance sameness early enough.

**Search for Chemicals**

I have read and I accept the legal notice

Name, EC or CAS No

**REACH 2018**

-  > REACH-IT
-  > IUCLID 5

**News**

18/11/2015 - Press release  
**ECHA consults on 11 substances to be proposed for authorisation**

ECHA invites comments on a proposal to include 11 new substances in the Authorisation List. Comments can be given by 18 February 2016.

11/11/2015 - News item



# Information on Chemicals

This is unique source of information on the chemicals manufactured and imported in Europe. It covers their hazardous properties, classification and labelling, and information on how to use them safely. This information is a valuable resource for advancing the safe use of chemicals and for the replacement of the most hazardous ones by safer alternatives.

Search for Chemicals

I have read and I accept the legal notice

Name, EC or CAS No

## REACH



- › Registered substances
- › Pre-registered substances
- › EC Inventory
- › Dossier Evaluation decisions
- › Testing Proposals Consultation
- › Substance Evaluation - CoRAP
- › Information on Candidate List substances in articles

See also under the *Addressing Chemicals of Concern* section

- › Candidate List of Substances of Very High Concern for Authorisation
- › Substances requiring Authorisation
- › Substances restricted under REACH
- › Public Activities Coordination Tool (PACT)

## CLP



- › C&L Inventory

## BPR



- › Biocidal Active Substances
- › Biocidal Products
- › List of active substance and suppliers

## PIC



- › Chemicals subject to PIC
- › Export notifications
- › Import notifications
- › Explicit consent and waivers

## Information from previous chemicals legislation



- › Risk Assessment Reports performed under the Council Regulation (EEC) No 793/93 (Existing Substance Regulation (ESR))
- › Annex XV transitional Reports
- › PBT/vPvB assessments under the previous EU chemicals legislation

# <http://echa.europa.eu/about-us/the-way-we-work/procedures-and-policies/transparency>

› ECHA's approach to Transparency [PDF] [EN]

## Transparent administration

- › Public procedures
- › Plans and reports
- › Financial management and budgetary reporting
- › Declarations of interest
- › ECHA staff directory
- › Agenda of the Executive Director
- › European Ombudsman

## Contribute to ECHA's work

- › Public consultations
- › Stakeholder engagement
- › Observer participation

## Substance data dissemination

- › Registered substances
- › Information on Candidate List substances in articles
- › C&L Inventory
- › Biocidal active substances
- › Chemicals subject to PIC

## Decisions made by ECHA

- › Individual regulatory decisions
- › Decisions of general application
- › Management Board decisions
- › Committee (draft) opinions, recommendations and decisions
- › Board of Appeal decisions

## Rulings of the European Court of Justice

- › Cases where ECHA is a party
- › Preliminary rulings

## Related links

- › Publications
- › Document library
- › Access to documents

**Name:** formaldehyde

**EC number:** 200-001-8

**CAS number:** 50-00-0

This substance has been found in the following regulatory activities:

## REACH



- > Community rolling action plan
- > EC Inventory
- > PACT list of substances
- > Pre Registered Substances
- > Registered Substances

## CLP



- > C&L Inventory
- > Harmonised classification and labelling - previous consultation
- > Opinions of the Committee for Risk Assessment on proposals for harmonised classification and labelling
- > Registry of submitted Harmonised Classification and Labelling intentions

## BPR



- > Active substances potential candidates for substitution - previous consultation
- > Biocidal Active Substances

## formaldehyde

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<b>Name:</b>	formaldehyde
<b>EC number:</b>	200-001-8
<b>CAS number:</b>	50-00-0

This substance has been found in the following registries:

### REACH



- > [Community rolling action plan](#)
- > [EC Inventory](#)
- > [PACT list of substances](#)
- > [Pre Registered Substances](#)
- > [Registered Substances](#)

### CLP



- > [C&L Inventory](#)
- > [Harmonised classification and labelling - previous consultation](#)
- > [Opinions of the Committee for Risk Assessment on proposals for harmonised classification and labelling](#)
- > [Registry of submitted Harmonised Classification and Labelling intentions](#)

### BPR



- > [Active substances potential candidates for substitution - previous consultation](#)
- > [Biocidal Active Substances](#)

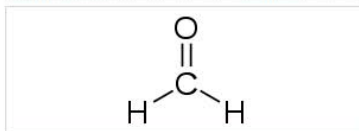
- > [Home page](#)
- > [General Information](#)
- > [Classification and Labelling](#)
- > [Manufacture, Use & Exposure](#)
- > [PBT assessment](#)
- > [Physical and chemical properties](#)
- > [Environmental fate and pathways](#)
- > [Ecotoxicological Information](#)
- > [Toxicological information](#)
- > [Guidance on safe use](#)
- > [Reference substances](#)

- Identification
- Registration data
- Administrative data
- Contact persons

### Identification

#### Substance identification

formaldehyde	
EC Number	200-001-8
EC Name	formaldehyde
CAS Number	50-00-0
Molecular formula	CH <sub>2</sub> O
IUPAC Name	formaldehyde



#### Type of substance

Composition	mono constituent substance
Origin	organic

## formaldehyde

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**Name:** formaldehyde

**EC number:** 200-001-8

**CAS number:** 50-00-0

This substance has been found in the following registers:

### REACH



- > Community rolling action plan
- > EC Inventory
- > PACT list of substances
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### CLP



- > C&L Inventory
- > Harmonised classification and labelling - previous consultation
- > Opinions of the Committee for Risk Assessment on proposals
- > Registry of submitted Harmonised Classification and Labelling

### BPR



- > Active substances potential candidates for substitution - previous consultation
- > Biocidal Active Substances

- > Home page
- General Information
- Classification and Labelling
- Manufacture, Use & Exposure
- PBT assessment
- Physical and chemical properties
- Environmental fate and pathways
- Ecotoxicological Information
- Toxicological information
- Guidance on safe use
- Reference substances

- Identification
- Registration data
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- Contact persons

### Identification

#### Substance identification

formaldehyde

## formaldehyde

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> Home page

- General Information
- Classification and Labelling
- Manufacture, Use & Exposure
- PBT assessment
- Physical and chemical properties
- Environmental fate and pathways
- Ecotoxicological Information
- Toxicological information

> Toxicological information.001

> Toxicokinetics, metabolism and distribution

> Acute Toxicity

> Irritation / corrosion

> Sensitisation

> Skin sensitisation

> Exp NS Skin sensitisation.001

> Exp Supporting Skin sensitisation.002

## Exp NS Skin sensitisation.001

- Administrative Data
- Data source
- Materials and methods
- Results and discussion

### Applicant's summary and conclusion

#### Administrative Data

Study result type	experimental result
Reliability	4 (not assignable)
Rationale for reliability incl. deficiencies	Comparable to Guideline study with limited documentation, no details about test substance or animals; low number of animals; exposure duration at challenge not documented, no details about coverage at induction and challenge; shame induction in controls not clearly stated

#### Data source

#### Reference

Reference type	study report
Year	1979
Report date	1979-04-10

#### Materials and methods

#### Type of method

in vivo

# Transparency

## Individual regulatory decisions by ECHA

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ECHA takes its regulatory decisions in all openness and makes such decisions available whenever possible and when it does not undermine the rights of the duty holders to have their confidential business information protected.

### REACH Regulation

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#### **Registration**

- › Decisions on data sharing disputes

#### **Evaluation**

- › Decisions on testing proposals
- › Decisions on compliance checks

### Biocidal Products Regulation (BPR)

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- › Decisions on data sharing disputes
- › List of active substances and suppliers

# Transparency

## Individual regulatory d

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### REACH Regulation

#### Registration

- › Decisions on data sharing disputes

#### Evaluation

- › Decisions on testing proposals
- › Decisions on compliance checks

### Biocidal Products Regulation (BPR)

- › Decisions on data sharing disputes
- › List of active substances and supp

Decision number: CCH-D-2114302944-52-01/F

Helsinki, 30 June 2015

### **DECISION ON A COMPLIANCE CHECK OF A REGISTRATION PURSUANT TO ARTICLE 41(3) OF REGULATION (EC) NO 1907/2006**

**For 2-phenoxyethanol, CAS No 122-99-6 (EC No 204-589-7), registration number:**

[REDACTED]

**Addressee:**

[REDACTED]

The European Chemicals Agency (ECHA) has taken the following decision in accordance with the procedure set out in Articles 50 and 51 of Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH Regulation).

# Predictability

- The Public Activities Coordination Tool (PACT)
- Lists the substances for which a risk management option analysis (RMOA) or an hazard assessment is under development or has been completed

Name	EC Number	CAS Number	Authority	Activity	Latest update	Scope	Outcome	
copper sulphide	215-271-2	1317-40-4	ECHA	RMOA	08/10/2015	CMR	No need to initiate further regulatory risk management action at this time.	<a href="#">Details</a>
2,2,6,6-tetrabromo-4,4-isopropylidenediphenol	201-236-9	79-94-7	Denmark	Hazard assessment	01/10/2015	ED	Substance evaluation under development	<a href="#">Details</a>
2,6-di-tert-butyl-p-cresol	204-881-4	128-37-0	France	Hazard assessment	01/10/2015	ED	Under development	<a href="#">Details</a>
4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene] diphenol	216-036-7	1478-61-1	Sweden	RMOA	01/10/2015	ED	Under development	<a href="#">Details</a>



**Coming soon...**



## New dissemination website

**Tailored** access to all information on chemicals contained in ECHA databases in **one single point of access** to

- Fulfil legal obligations
- Provide meaningful and relevant information on chemicals
- Increase the transparency
- Promote quality of data
- Promote the safe use of chemicals
- Support citizens to make informed decisions on the safe use of chemicals

# InfoCard

## Chromium (VI) trioxide

↓ Other names: [IUPAC names \[18\]](#) [Regulatory processes names \[3\]](#) [Trade names \[5\]](#) ↓ Groups:  

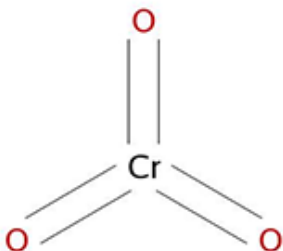


### Substance identity

EC no: 215-607-8

CAS no: 1333-82-0

Mol. formula: CrO<sub>3</sub>



### Safety classification & labelling



*Danger!* According to the [Harmonised Classification and Labelling](#) approved by the European Union, this is fatal if inhaled, is very toxic to aquatic life with long lasting effects, causes damage to organs through prolonged or repeated exposure, is very toxic to aquatic life, may cause cancer, causes severe skin burns and eye damage, may cause genetic defects, is toxic if swallowed, is toxic in contact with skin, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility, may cause allergy or asthma symptoms or breathing difficulties if inhaled and may cause an allergic skin reaction.

Additionally, the classification provided by companies to ECHA in [REACH registrations](#) identifies that this substance is fatal in contact with skin and is very toxic to aquatic life.

### Critical properties



### Regulatory actions

- Substance of very high concern (SVHC) and included in the [candidate list for authorisation](#).
- Substance of very high concern requiring authorisation before it is used ([Annex XIV of REACH](#)).

### Precautions and safe use

- [Precautionary measures](#) suggested by manufactures and importers of this substance.
- [Guidance on the safe use](#) of the substance provided by manufactures and importers of this substance.

### About this substance

This substance is manufactured and/or imported in the European Economic Area in 10,000 to 100,000 tonnes per year.

This substance is used in the following products: pH regulators and water treatment products, non-metal-surface treatment products, metal surface treatment products, laboratory chemicals and adsorbents. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

Release to the environment of this substance is likely to occur from industrial use: as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, manufacturing of the substance, formulation of mixtures, formulation in materials, in processing aids at industrial sites and in the production of articles. ...

# InfoCard

High-level information to concerned citizens


Understandable to the broadest audience possible

Information on hazards, classification, uses & exposure

Overview of main regulatory activities

Information in downloadable format

Chromium (VI) trioxide

↓ Other names: [IUPAC names \[18\]](#) [Regulatory processes names \[3\]](#) [Trade names \[5\]](#) ↓ Groups: 

**Substance identity**


EC no: 215-607-8



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Additionally, the classification provided by companies to ECHA in **REACH registrations** identifies that this substance is fatal in contact with skin and is very toxic to aquatic life.

**Critical properties**

C

M

S

**Regulatory actions**

- Substance of very high concern (SVHC) and included in the [candidate list for authorisation](#).
- Substance of very high concern requiring authorisation before it is used ([Annex XIV of REACH](#)).

**Precautions and safe use**

- [Precautionary measures](#) suggested by manufactures and importers of this substance.
- [Guidance on the safe use](#) of the substance provided by manufactures and importers of this substance.

INFOCARD - last updated: 18/05/2015

Want more details?



**About this substance**  
This substance is manufactured under the name of the European Chemical Agency (ECHA) and is used for the following purposes: all regulatory and other treatment systems, for water supply treatment systems, water supply treatment systems, wastewater treatment and effluents. The substance has an industrial use resulting in manufacture of another substance (use of intermediates).  
Release to the environment of this substance is due to use from industrial use, as an intermediate use in further manufacturing of another substance (use of intermediates), as processing use, manufacturing of the substance, formation of products, formation of intermediates, processing use, industrial use, and in the production of goods.

**Precautions and safe use**  
**Precautionary statements:** appropriate precautions and measures at the workplace.  
**Instructions on the safe use:** of this substance: appropriate precautions and measures at the workplace.

# 4,4'-isopropylidenediphenol

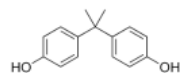
Short substance description. Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description

Scientific properties

Brief Profile – Last updated: 08/12/2014 [Print](#)

## Substance identity



**EC Name:** 215-607-8

**IUPAC Name:** 2,2-bis (4-hydroxyphenol) propane

[Other names](#)

**Smiles:** Oc1ccc(cc1)C(c2ccc(O)cc2)(C)C

**InChI:** 1S/C15H16O2c1-15(2,11-3-7-13(16)8-4-11)12-5-9-14(17)10-6-12/h3-10,16-17H,1-2H3

**Type of substance:** Mono constituent substance

**Origin:** Organic

**Registered compositions:** 7

**Of which contain:** 2 impurities relevant for classification

0 additives relevant for classification

**EC Number:** 80-05-7

**CAS Number:** C15H16O2

**Index Number:** 604-030-00-0

**Molecular Formula:** C15H16O2

# Brief Profile

## Substance identity

Safety classification & labelling

Critical properties

Regulatory actions

About this substance

Registrants/Suppliers

Other names

[Back to top](#)

## Safety Classification & Labelling



**Danger!** According to the **Harmonised Classification and Labelling (ATP 1)** approved by the European Union this substance is fatal if inhaled, may cause genetic defects, causes damage to organs through prolonged or repeated exposure, may cause cancer, is very toxic to aquatic life with long lasting effects, is toxic in contact with skin, is toxic if swallowed, causes severe skin burns and eye damage, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, and may cause allergy or asthma symptoms or breathing difficulties if inhaled.

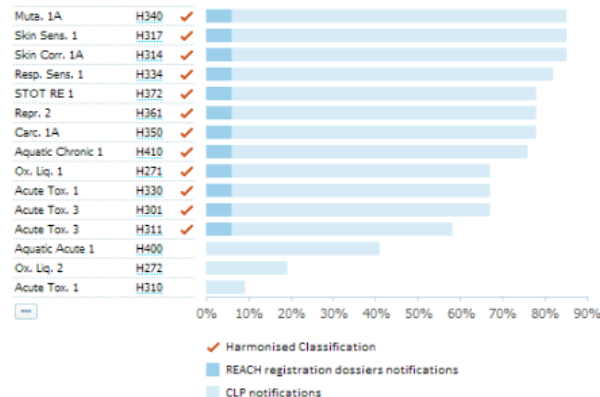


**Additionally,** the Classification provided by companies to ECHA in **CLP notifications** identifies this substance is very toxic to aquatic life, may intensify fire (oxidiser) and is fatal in contact with skin.



Lorem ipsum dolor sit amet.

## Breakdown of all 2 605 C&Ls notifications submitted to ECHA



At least one notifier has indicated that an impurity or an additive present in the substance impacts the notified classification.

# Brief Profile

## Substance description

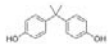
4,4'-isopropylidenediphenol

Short substance description: Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description | Scientific properties | Brief Profile - Last updated: 08/12/2014 | Print

---

**Substance identity**

EC Name: 215-607-8  
 IUPAC Name: 2,2-bis (4-hydroxyphenyl) propane  
 Other names: 

SMILES: Oc1ccc(cc1)C(c2ccc(O)cc2)C(c3ccc(O)cc3)

InChI: 1S/C19H16O2=1-1S(2,11-3-7-13(16)-4-11)12-5-9-14(17)10-6-12/h3-10,16-17h,1-2H3


Type of substance: Mono constituent substance  
 Origin: Organic  
 Registered compositions: 7  
 Of which contain: 2 impurities relevant for classification  
 0 additives relevant for classification


Substance listed: EINECS


EC Number: 80-05-7  
 CAS Number: C19H16O2  
 Index Number: 604-030-00-0  
 Molecular Formula: C19H16O2

---

**Safety Classification & Labelling**




  
 Danger! According to the Harmonised Classification and Labelling (ATP-1) approved by the European Union this substance is fatal if inhaled, may cause genetic defects, causes damage to organs through prolonged or repeated exposure, may cause cancer, is very toxic to aquatic life with long lasting effects, is toxic in contact with skin, is toxic if swallowed, causes severe skin burns and eye damage, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, and may cause allergy or asthma symptoms or breathing difficulties if inhaled.

  
 Additionally, the Classification provided by companies to ECHA in CLP notifications identifies this substance as very toxic to aquatic life, may intensify fire (oxidiser) and is fatal in contact with skin.

  
 Lorem ipsum dolor sit amet.

Breakdown of all 2 605 C&Ls notifications submitted to ECHA

Classification	Count	Percentage
Mut. 1A	M340	~100%
Skin Sens. 1	M317	~100%
Skin Corr. 1A	M314	~100%
Repr. Sens. 1	M334	~100%
STOT RE 1	M372	~100%
Resp. 2	M364	~100%
Carc. 1A	M350	~100%
Aquatic Chronic 1	M410	~100%
Ch. Liq. 1	M375	~100%
Acute Tox. 1	M310	~100%
Acute Tox. 2	M301	~100%
Acute Tox. 3	M303	~100%
Aquatic Acute 1	M400	~100%
Ch. Liq. 2	M372	~100%
Acute Tox. 1	M310	~100%

Legend:   
 Harmonised Classification  
 ECHA registration dossier notifications  
 CLP notifications

At least one notifier has indicated that an impurity or an additive present in the substance impacts the notified classification.

Extended information on substance identity

Overview of Classification and Labelling inventory

Information on manufactures and suppliers

Links to the source data



# Brief Profile

Physical-chemical properties

Environmental fate and pathways

Ecotoxicological information (including PNEC\*)

Toxicological information (including DNEL\*\*)

Study records type overview

Information in downloadable format

## Scientific properties

### 4,4'-isopropylidenediphenol

Short substance description. Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description Scientific properties Brief Profile – Last updated: 08/12/2014

#### Physical & Chemical Properties

This section provides physicochemical information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

#### Physical & Chemical Properties

- Appearance / physical state / colour
- Melting / freezing point
- Boiling point
- Density
- Vapour pressure
- Partition coefficient
- Water solubility
- Solubility in organic solvents / fat solubility
- Surface tension
- Flash point
- Auto flammability
- Flammability
- Explosiveness
- Oxidising
- Oxidation reduction potential
- pH
- Dissociation constant
- Viscosity
- Environmental fate & pathways
- Ecotoxicological information
- Toxicological information

#### Appearance / physical state / colour

Study results 9 studies submitted  
8 studies processed

**Physical state at 20°C and 1013 hPa**  
Solid (78%), Liquid (22%)

**Form**  
Crystalline (62%), Suspension (29%), Paste (9%)

**Odour**  
Pungent (88%), Garlic-like (12%)

**Substance type**  
Organic (88%), Natural substance (12%)

#### Type of Study provided

Studies with data	Data waiving
Key study 4	no data waiver studies
Supporting study 1	
Weight of evidence 2	2
Other	

#### Summaries

2 summaries provided  
1 summary processed

**Physical state at 20°C and 1013 hPa**  
Solid

#### Melting / freezing point

Study results 7 studies submitted  
3 studies processed

**Melting / freezing point**  
100 - 110 °C @ 100 050 - 200 000 Pa (4)

#### Type of Study provided

Studies with data	Data waiving
Key study 1	Not feasible 1
Supporting study 3	Sci. unjustified
Weight of evidence	Exposure cons.
Other	Other

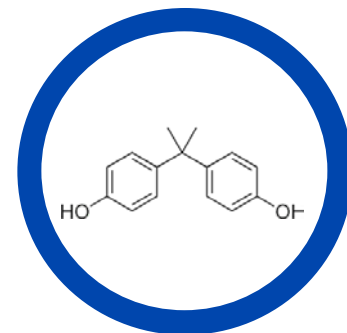
#### Summaries

1 summary provided  
1 summary processed

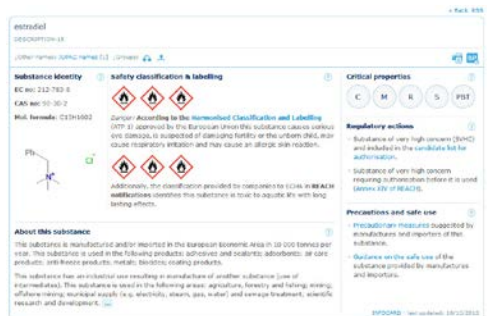
**Melting / freezing point at 101 325 Pa**  
105 °C

\*PNEC=predicted no effect concentration  
echa.europa.eu \*\* DNEL=derived no effect level

# Tiered approach

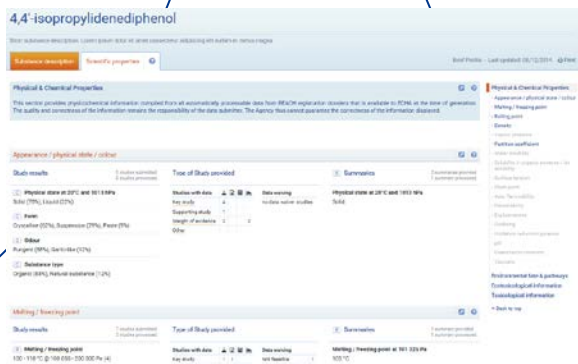


Infocard



Infocard for 4,4'-isopropylidenediphenol showing substance identity, safety classification, critical properties, and regulatory actions.

Brief Profile



Brief Profile for 4,4'-isopropylidenediphenol showing physical and chemical properties, appearance, and study results.

Source Data



Pre-registration List



Registration Dossiers



CoRAP List



Authorisation List



Restriction List



Harmonised C&Ls



Approved Active Substances



PIC Annex I

# Registration dossier

## formaldehyde

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Home page

- General Information
- Classification and Labelling
- Manufacture, Use & Exposure
- PBT assessment
- Physical and Chemical properties
  - Appearance/physical state/colour
    - End Key Appearance/physical state/colour.001
    - NS NS Appearance/physical state/colour.002
    - NS NS Appearance/physical state/colour.003
    - NS NS Appearance/physical state/colour.004
    - NS NS Appearance/physical state/colour.005
    - NS NS Appearance/physical state/colour.006
    - NS NS Appearance/physical state/colour.007
    - NS NS Appearance/physical state/colour.008
    - Other Key Appearance/physical state/colour.009
    - Other NS Appearance/physical state/colour.010
  - Melting point/freezing point
  - Boiling point
  - Density
  - Particle size distribution (granulometry)
  - Vapour pressure
  - Partition coefficient
  - Water solubility
  - Solubility in organic solvents / fat solubility
  - Surface tension
  - Flash point
  - Auto flammability
  - Flammability
  - Explosiveness
  - Oxidising properties
  - Stability in organic solvents and identity of relevant degradation products
  - Storage stability and reactivity towards container material

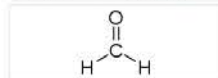
Identification Registration data Administrative data Contact persons

### Identification

#### Substance identification

formaldehyde

EC Number: 200-001-8  
 EC Name: formaldehyde  
 CAS Number: 50-00-0  
 Molecular Formula: CH<sub>2</sub>O  
 IUPAC Name: formaldehyde



#### Type of substance

Composition: mono constituent substance  
 Origin: organic

#### Trade names

Formaldehyde solution  
 Formalin  
 formalin, formaldehyde, formalin, formal, formaldehyde, methyl aldehyde, methylene oxide, methanal, oxomethane, oxymethylene, morbidol, paraform, methaldehyde  
 Formalin  
 Formaldehyd  
 Formaldehyde (BCI, 9C)  
 Formic aldehyde  
 Formal  
 Morbidol  
 Paraform  
 Methaldehyde  
 Methyl aldehyde  
 Methylene oxide  
 Oxomethane  
 Oxymethylene  
 Formaldehyd, gas  
 Morbidol  
 Paraform  
 Methaldehyde  
 Saldform  
 Formaldehyde

#### Total Tonnage Band

1,000,000+ tonnes per annum

#### REACH

Registered as: Full  
 Submitted: Joint Submission

#### Publication Dates

## Benzene

EC number: 200-753-7 | CAS number: 71-44-3

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General information



Classification & Labelling & PBT assessment



Manufacture, use & exposure



Physical & Chemical properties



Environmental fate & pathways



Ecotoxicological information



Toxicological information



Guidance on safe use



Assessment reports



Reference substances

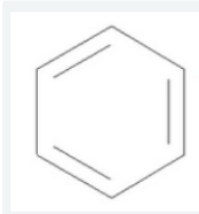


Categories

## General information

Identification Compositions Registration data Administrative data

### Identification



EC Number: 200-753-7  
 EC Name: benzene  
 CAS Number: 71-43-2  
 Molecular formula: C<sub>6</sub>H<sub>6</sub>  
 IUPAC Name: benzene

### Type of substance

Composition: mono constituent substance

Origin: organic

### Other names

Trade names: benzene  
 Benzen ropný  
 Petroleum benzene

### Total tonnage band

Total range: 1,000,000 - 10,000,000 tonnes per annum

### REACH

Registered as: Full  
 Submitted: Joint Submission

### Publication dates

First published: 02 Mar 2011

Last modified: 18 Feb 2015

# Registration dossier

## formaldehyde

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Home page Identification Registration data Administrative data

General Information

Classification and Labelling

Manufacture, Use & Exposure

PBT assessment

Physical and Chemical properties

Appearance/physical state/colour

End Key Appearance/physical state/colour.001

NS NS Appearance/physical state/colour.002

NS NS Appearance/physical state/colour.003

NS NS Appearance/physical state/colour.004

NS NS Appearance/physical state/colour.005

NS NS Appearance/physical state/colour.006

NS NS Appearance/physical state/colour.007

NS NS Appearance/physical state/colour.008

Other Key Appearance/physical state/colour.009

Other NS Appearance/physical state/colour.010

Melting point/freezing point

Boiling point

Density

Particle size distribution (granulometry)

Vapour pressure

Partition coefficient

Water solubility

Solubility in organic solvents / fat solubility

Surface tension

Flash point

Auto flammability

Flammability

Explosiveness

Oxidising properties

Stability in organic solvents and identity of relevant degradation products

Storage stability and reactivity towards container material

Identification

Substance identification

formaldehyde

EC Number 200-003-8

EC Name formaldehyde

CAS Number 50-00-8

Molecular formula CH<sub>2</sub>O

EUPAC Name formaldehyde

Type of substance

Composition mono constituent substance

Origin organic

Trade names

Formaldehyde solid

Formalin

urmalin, formaldehydoxid, methanal, ox

Formalith

Formaldehyd

Formaldehyde (3C)

Formic aldehyde

Formol

Methanal

Methu aldehyde

Methylene oxide

Dioxmethane

Oxymethylene

Formaldehyd, gas

Horbiol

Parafom

Methaldehyde

Saldform

Formaldehyde

Total Tonnage Band

1,000,000+ tonnes per annum

REACH

Registered as Full

Submitted Joint Submission

Publication Dates

## Benzene

EC number: 200-753-7 | CAS number: 71-44-3

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General information



Classification & Labelling & PBT assessment

assessment



General information



Classification & Labelling & PBT assessment



Manufacture, use & exposure



Physical & Chemical properties



Environmental fate & pathways



Ecotoxicological information



Toxicological information



Guidance on safe use



Assessment reports



Reference substances



Categories

- Endpoint summary

- Aquatic toxicity

- Endpoint summary

- 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

- Sediment toxicity

- Terrestrial toxicity

## General information

Identification Compositions Registration data Administrative data

## Identification

### Long-term toxicity to aquatic invertebrate

Currently viewing: Endpoint study record 001

Administrative data Data source Materials and methods Results and discussions Summary and conclusions

Short confidentiality message. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut tempor erat sit amet neque malesuada, id rhoncus augue dapibus. Donec euismod lacinia dui, pulvinar finibus mi.

## Administrative data

Purpose flag:	supporting study
	robust study summary
	used for classification
	used for MSDS
Data waiving:	study technically not feasible
Justification for data waiving:	<i>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam sed vestibulum nulla, sit amet pretium metus. Vivamus interdum lacinia mauris sed tempor. Phasellus aliquam cursus efficitur. Maecenas molestie placerat neque.</i>
Study result type:	<i>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</i>
Study period:	<i>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</i>
Reliability:	3 (not reliable)
Rationale for reliability incl. deficiencies:	<i>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam sed vestibulum nulla, sit amet pretium metus. Vivamus interdum lacinia mauris sed tempor.</i>

## Data source

Reference open all close all

+ Reference 1

First published: 02 Mar 2011

Last modified: 18 Feb 2015

## Use of information by you

- Coming in the future
  - IUCLID 6 improved for better reporting and analysing the information: new dissemination opportunities
  - Data can be downloaded from the ECHA dissemination website

## **Our vision...**

**ECHA website to be the  
one-stop-shop for information  
on chemicals**

**Make the best use of the wealth  
of data generated by REACH**



[laura.walin@echa.europa.eu](mailto:laura.walin@echa.europa.eu)

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