

ECHA's Dissemination website - state of play

Contribution to enhanced
transparency

25 September 2013

Christel Musset
Director of Registration
European Chemicals Agency



Stakeholders' engagement study

- Understand the behaviour of the ECHA web audiences when searching for chemicals
- Collect stakeholders' requirements
- Provide comparisons with known portals on chemicals
- Propose a new set of concepts that would address the above and would propose the transition of ECHA's Dissemination website to a new capability level

Some observations...

- Structure/presentation reflects the IUCLID format
- Info fragmented from a substance point of view
- Data not usable/understandable by all relevant target groups



Improvement needed on usability/search-ability
Improvement needed on the content presentation

The dissemination website should provide user-friendly and tailored made access to all relevant information contained in the ECHA databases.

Work in progress

- Development of user interface
 - Information display (type, structure and design)
 - Search engines and filters
- Content-related aspects such as:
 - Brief profiles of substances
 - improvement of data quality
- Engagement with stakeholders
 - Workshop on Brief profiles in December 2013
 - Workshop on new Website in Q3 of 2014

Tiered approach

- 0th tier with search result
- 1st tier focusing on substance identifiers and main regulatory processes (info card).
3 main objectives:
 - Allow users to identify the substance
 - Provide an overview of main regulatory processes on-going
 - Provide high-level information to concerned citizens (identify at high level the substance's hazardousness, label the substance)
- 2nd tier with extended information (scientific, uses and risk management measures) on the substance (Brief profile)
 - The objective of the second layer is to provide basic information at the substance level in downloadable format.
- 3rd tier with raw data

Current website

The screenshot shows the ECHA website interface. At the top, there is a navigation bar with links for Document library, News and Events, Press, and Contact, along with a language dropdown set to English. Below this is the ECHA logo and a search bar. A main navigation menu includes About Us, Regulations, Addressing Chemicals of Concern, Information on Chemicals, Chemicals in our Life, and Support. The page content shows a search for 'benzene' with a checked box for 'I have read and I accept the legal notice'. The search results are listed under a 'Category' heading, including Pre Registered Substances (7896), Registered Substances (646), C&L Inventory (4678), Testing proposals (11), Harmonised classification and labelling (3), Substances in articles (2), List of restrictions (2), complementary part of the corap concerning notified substances (2), Agreements of the MSC on identification of Substances of Very High Concern (2), Registry of submitted Restriction proposal intentions (2), List of existing substances subject to transition (2), Consultations on draft review report (1), Registry of current Harmonised Classification and Labelling intentions (1), Registry of withdrawn Harmonised Classification and Labelling intentions and substances (1), Community Rolling Action Plan (10), Restrictions under consideration (1), Annex XV transitional reports (1), European Priority List and Risk Assessment (1), Registry of submitted SVHC intentions (1), Identification of Substances of Very High Concern (1), Candidate list (4), Registry of submitted Harmonised Classification and Labelling intentions (1), Other agreements of the MSC (3), and Opinions of the Committee for Risk Assessment on proposals for harmonised classification and labelling (3).

The Future...

Document library | News and Events | Press | Contact | English

ECHA
EUROPEAN CHEMICALS AGENCY

Advanced search

About Us | Regulations | Addressing Chemicals of Concern | Information on Chemicals | Chemicals in our Life | Support

ECHA - Search Chemicals

Search Chemicals

Search for Chemicals

I have read and I accept the legal notice

benzene

Results

Category

- Pre Registered Substances (7896)
- Registered Substances (646)
- CL Inventory (4678)
- Testing proposals (11)
- Harmonised classification and labelling (3)
- Substances in articles (2)
- List of restrictions (2)
- complementary part of the corap concerning notified substances (2)
- Agreements of the MSC on Identification of Substances of Very High Concern (2)
- Registry of submitted Restriction proposal intentions (1)
- List of existing substances subject to transitional measures (1)
- Consultations on draft review report (1)
- Registry of current Harmonised Classification and Labelling
- Registry of withdrawn Harmonised Classification and Labelling
- Community Rolling Action Plan (10)
- Restrictions under consideration (1)
- Annex XV transitional reports (1)
- European Priority List and Restrictions (8)
- Registry of submitted SVHC in
- Identification of Substances of Very High Concern (7)
- Candidate list (4)
- Registry of submitted Harmonised Classification and Labelling proposal intentions (4)
- Other agreements of the MSC (3)
- Opinions of the Committee for Risk Assessment on proposed harmonised classification and labelling

4,4'-isopropylidenediphenol (IPA) Brief Profile – last updated 18/09/2013

2,2-bis(4-hydroxyphenyl)propane; 2,2-di(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; Biphenol A; Bisferol A; BPA; C006780; DIAN; Ipgnox B8; ...

Substance Identity

EC Number	203	Compositions	7
EC Name	4,4'-isopropylidenediphenol	Important relevant for classification	Yes (2)
CAS Number	80-05-7	Substance Listed	EINECS
Molecular Formula	C15H16O2		
IUPAC Name	2,2-bis(4-hydroxyphenyl)propane		
SMILES InChI	Oc1ccc(cc1)C(C)(C)c2ccc(O)cc2		
Type of Substance	Mono constituent substance		
Origin	Organic		
Estimated tonnage	1,000,000 + per year made or imported in all EEA		

Classification & Labelling

Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction.

Notified Classification & Labelling

Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Concerns & Regulations / Regulatory Action on this substance

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

- Pre-registration: Initiation by companies that the substance should be registered.
- Registration: Submission of dossier of information on a substance.
- Dossier Evaluation: Checking by ECHA that dossier submitted is compliant with REACH.
- Substance Evaluation (CoRAP Plan): Evaluation by Member States performed on all data for a substance.
- Authorisation: Authorisation process for substances of very high concern.
- Restriction: Restriction / phasing out of chemical substances.

Classification & Labelling

This substance has been analysed and a harmonised classification assigned.

Bioicides Regulation

This substance is not a **Bioactive Substance** and is not used as an ingredient in **Bioactive Products** and hence does not fall under the Bioicides regulation.

Prior Informed Consent (PIC)

This substance is not a hazardous chemical whose export is covered by the **Bastnaes Convention** and hence it does not fall under the PIC regulation.

About this substance

Product Categories

This substance can be found or is used in products such as an intermediate step in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, modelling clay, adhesives, sealants, polymers.

Sections of use

This substance is used in fields such as plastic product manufacture, mixing and/or re-packaging, computer, electrical, electronic and optical product manufacture, building & construction work, manufacture of machinery, equipment, vehicles & other transport equipment, pulp, paper and paper product manufacture, electricity, steam, gas, water supply and sewage treatment, rubber product manufacture.

Processes in which used

This substance is used during processes such as transfer (large), at dedicated facilities, closed batch processing, closed process with occasional exposure, transfer (small), batch processing, batch and other processing, production by labelling, compression, extrusion or pelletisation, roller or brush application, treatment by dipping and pouring, transfer (large), non-dedicated facilities.

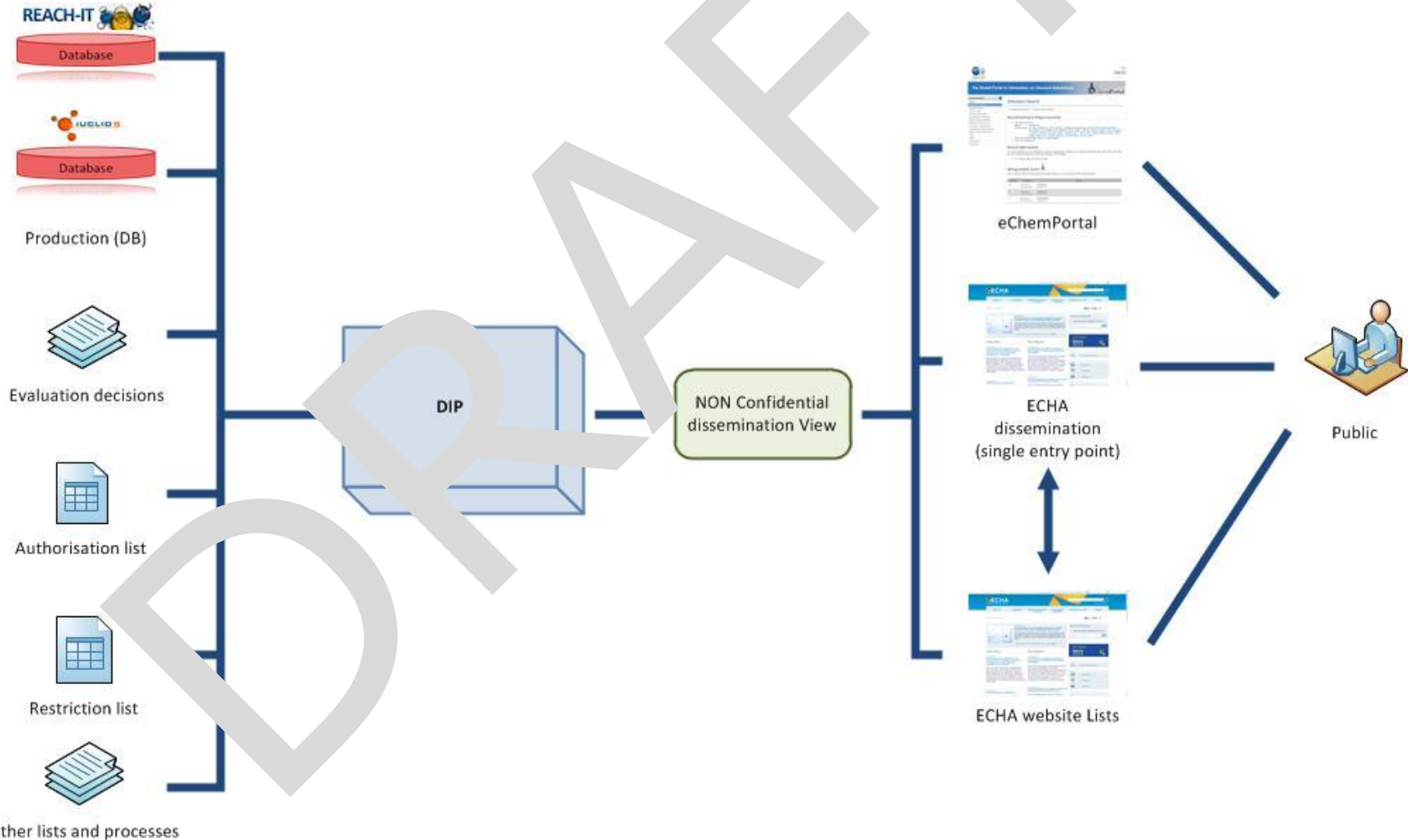
Environmental Release & Exposure

Exposure to the substance is most likely to occur via indoor use (in long-life articles with low release, industrial use (in finished products), formulation, outdoor use (in long-life articles with low release, industrial use as an intermediate step in further manufacturing, formulation, indoor use resulting in spreading of the substance, outdoor use resulting in spreading of the substance, manufacturing, industrial use for thermoplastic manufacture.

Physical & Chemical Properties

Physical State (@20°C, 1 atm)	Solid	Partition Coefficient	0.125	0.002
Form	Crystals	Water Solubility	12g/L	1.2g/L
Colour	White	Flash Point	289°C	2.3°C
Odour	Odourless	Auto Flammability	-	
Substance Type	Organic	Flammability	Yes	
Melting / Freezing Point	22°C	Explosiveness	Yes	
Boiling Point	105°C	Oxidising Properties	No	
Density	2.03	Stability in organic solvent	Stable	
Particle size distribution	2.4 – 5.0µm	Storage stability	Stable	
Vapour pressure	21 – 25 mbar	pH		
	2 – 3 mbar	Dissociation constant	0.0057	0.0002

Fully linked data per substance



Other lists and processes

Substance centric model

Identity Data

EC #

CAS #

Index #

EC Name

IUPAC name(s)

Public Name(s)

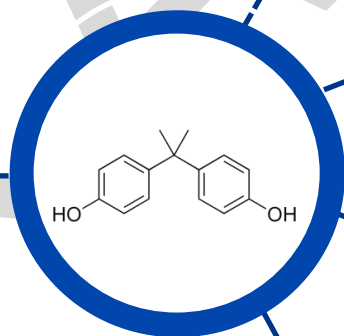
Synonyms

Trade Name(s)

SMILES

InChI

NB: Only non-confidential data



REACH

- Registration
- Evaluation
- Authorisation
- Restriction

CLP

- Harmonised
- Notified

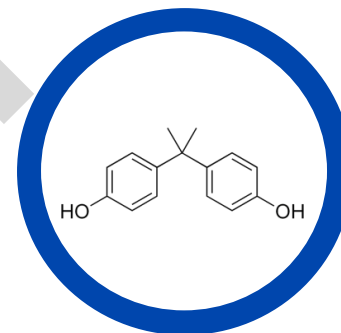
Biocides

- Active Substance
- Authorised Product(s)
- Suppliers

PIC

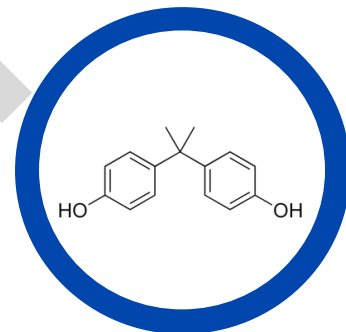
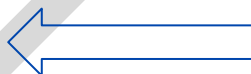
- Annex I
- Annex V

Overview of tiers

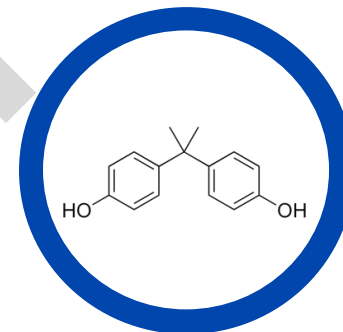


Overview of tiers

Infocard



Overview of tiers



Brief Profile

4,4'-isopropylidenediphenol (BPA) *Brief Profile* - last updated 18/10/2013

2,2-Bis(4-hydroxyphenyl)propane; 2,2-Bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; Bisphenol A; Bisphenol A; BPA; C000761; D500; (propanoic acid)

Substance Identity

EC Number: 001-207-6
 CAS Number: 80-59-1
 InChI Key: CC(C)(C1=CC=C(O)C=C1)C2=CC=C(O)C=C2
 SMILES: CC(C)(C1=CC=C(O)C=C1)C2=CC=C(O)C=C2
 Molecular Weight: 228.27
 Molecular Formula: C15H16O2

Safety Classification & Labelling

Classification: H350, H360FD, H410
 Labelling: P201, P202, P273, P501
 Signal Word: Danger

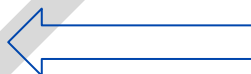
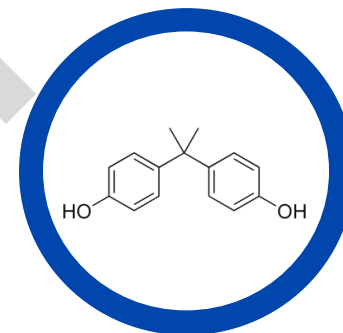
Concerns & Regulatory / Regulatory Action in the substance

REACH Regulation: This substance is subject to REACH Regulation (EC) No 1907/2006. It is listed in Annex XIV of the REACH Regulation as a substance of very high concern (SVHC). It is also listed in Annex VI of the REACH Regulation as a substance that requires authorization for use.

Physical & Chemical Properties

Property	Value
Appearance	White solid
Boiling Point	350°C
Melting Point	268°C
Density	1.18 g/cm³
Flash Point	280°C
Auto-flammability	Yes
Refractive Index	1.54
Water Solubility	0.0001 g/L
Partition Coefficient	0.0001

Overview of tiers



4,4'-isopropylidenediphenol (BPA) *Revised Profile* - last updated 18/10/2013

2,2-Bis(4-hydroxyphenyl)propane; 2,2-Bis(4-hydroxyphenyl)propane; 4,4'-isopropylidenediphenol; Bisphenol A; BPA; C000761; D050; (Irganox 80)

Substance Identity

Safety Classification & Labelling

Concerns & Regulations / Regulatory Action on this substance

About this substance

Physical & Chemical Properties

Appearance	White solid	Flash point	280°C
Boiling point	360°C	Auto-flammability	-
Melting point	268°C	Flammability	-
Density	1.18 g/cm³	Reactivity	-
Water solubility	0.0001 g/l	Stability in water	Stable
Partition coefficient	1.2	Stability in air	Stable
Volatility	0.0001 g/l	Stability in soil	Stable
Acid dissociation constant	10.5	Stability in sediment	Stable

Source Data



Preregistration List

Registration Dossiers

Evaluation Decisions

CoRAP List

Authorisation List

Restriction List

Harmonised C&Ls

Approved Active Substances

PIC Annex I

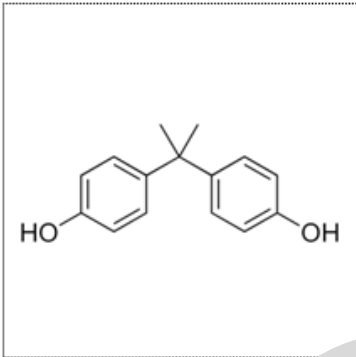
Bisphenol A

4,4'-isopropylidenediphenol (BPA)

Last updated 18/09/2013

2,2-Bis (4-Hydroxyphenol) Propane; 2,2-Di(4-hydroxyphenyl)propane; 4,4' isopropylidene diphenol; Biphenol A; Bisferol A; **BPA**; C006780; DIAN; Ipognox 88; ...

EC Number 201-245-8
CAS Number 80-05-7
Estimated tonnage 1,000,000 + per year made or imported in all EEA



Safety Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

The above is based on the European Union [Harmonised Classification & Labelling](#)

Concerns



This is a [suspected carcinogen](#) [very high concern](#) due to its suspected damage to fertility, its widespread usage and its large volume of production.

Uses of this substance

This substance can be found or is used in products such as an intermediate step in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, walling clay, adhesives, sealants, polymers.

This substance is used in fields such as plastic product manufacture, mixing and/or packaging, computer, electrical, electronic and optical product manufacture, building & construction work, manufacture of machinery, equipment, vehicles & other transport equipment, pulp, paper and paper product manufacture, electricity, steam, gas, water supply and sewage treatment, rubber product manufacture.

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Action on this substance

This substance is being evaluated by Germany under the [CoRAP](#) programme. It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

[More](#)

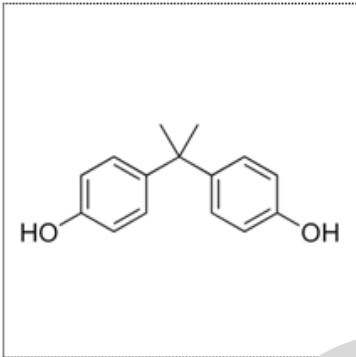
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Concerns



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread usage and its high volume of production.

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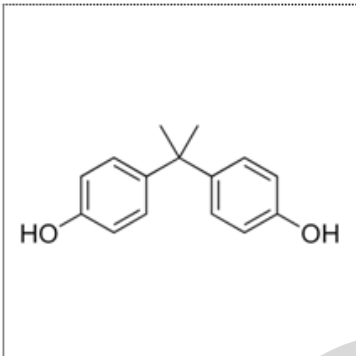
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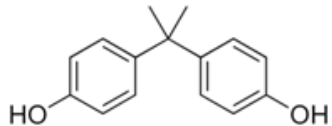
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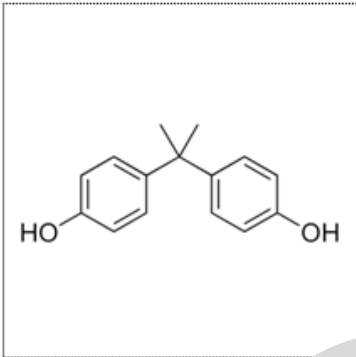
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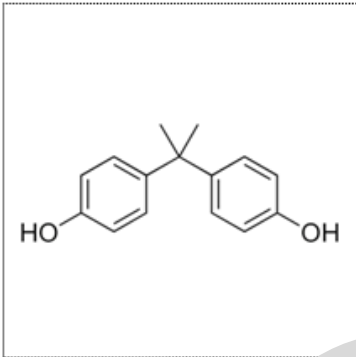
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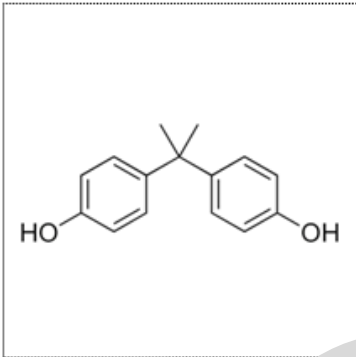
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Exposure to this substance is most likely to occur via indoor use in long-life articles with low release, industrial use (in finished products), formulation, outdoor use in long-life articles with low release, industrial use as an intermediate step in further manufacturing, formulation, indoor use resulting in spreading of the substance, outdoor use resulting in spreading of the substance, manufacturing, industrial use for thermoplastic manufacture.

Action on this substance

This substance is being evaluated by Germany under the [CoRAP](#) programme. It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

[More](#)

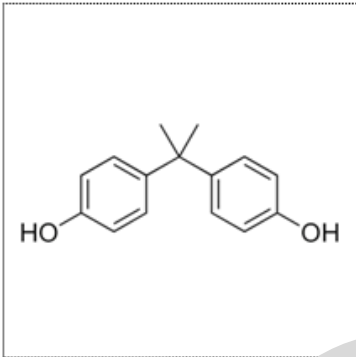
Bisphenol A

4,4'-isopropylidenediphenol (BPA)

Last updated 18/09/2013

2,2-Bis (4-Hydroxyphenol) Propane; 2,2-Di(4-hydroxyphenyl)propane; 4,4' isopropylidene diphenol; Biphenol A; Bisferol A; **BPA**; C006780; DIAN; Ipognox 88; ...

EC Number 201-245-8
CAS Number 80-05-7
Estimated tonnage 1,000,000 + per year made or imported in all EEA



Safety Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

The above is based on the European Union Harmonised Classification & Labelling

Concerns



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread usage and its high volume of production.

Uses of this substance

This substance can be found or is used in products such as an intermediate step in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, walling clay, adhesives, sealants, polymers.

This substance is used in fields such as plastic product manufacture, mixing and/or packaging, computer, electrical, electronic and optical product manufacture, building & construction work, manufacture of machinery, equipment, vehicles & other transport equipment, pulp, paper and paper product manufacture, electricity, steam, gas, water supply and sewage treatment, rubber product manufacture.

Exposure to this substance is most likely to occur via indoor use in long-life articles with low release, industrial use (in finished products), formulation, outdoor use in long-life articles with low release, industrial use as an intermediate step in further manufacturing, formulation, indoor use resulting in spreading of the substance, outdoor use resulting in spreading of the substance, manufacturing, industrial use for thermoplastic manufacture.

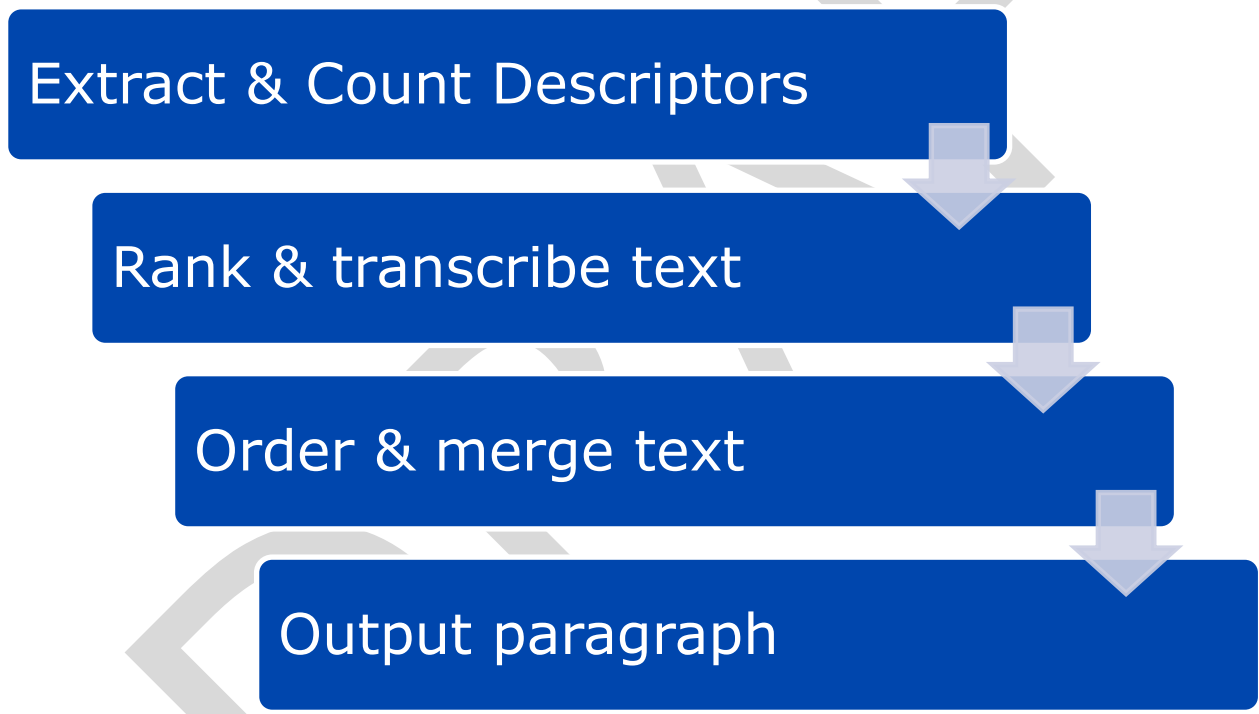
Action on this substance

This substance is being evaluated by Germany under the [CoRAP](#) programme. It is a candidate for [restriction](#) for use in thermal papers.

It has been analysed and a [harmonised classification](#) assigned.

[More](#)

Working model algorithm - uses

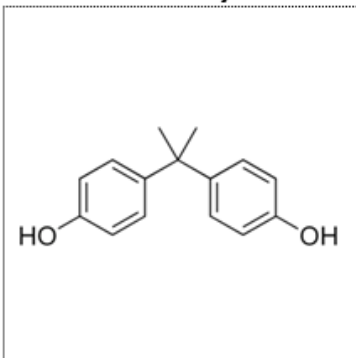


4,4'-isopropylidenediphenol (BPA)

Brief Profile – last updated 18/09/2013

2,2-bis (4-hydroxyphenyl) propane; 2,2-di(4-hydroxyphenyl)propane; 4,4' isopropylidenediphenol; Bisphenol A; Bisphenol A; BPA; C006780; DIAN; Ipognox 88; ...

Substance Identity



EC Number	201-245-8
EC Name	4,4'-isopropylidenediphenol
CAS Number	80-05-7
Molecular Formula	C15H16O2
IUPAC Name	2,2-bis (4-hydroxyphenyl) propane
Smiles	Oc1ccc(cc1)C(C)(C)c2ccc(O)cc2
InChI	1S/C15H16O2=1-13(16)7-13(16)8-4-11)12-5-9-14(17)10-12/h3-11,13-15,17-18H
Type of Substance	Mono constituent substance
Origin	Organic
Estimated tonnage	1,000,000 + per year manufactured/imported in all EEA

Compositions	7
Impurities relevant for classification	Yes (2)
Additives relevant for classification	No
Substance Listed	EINECS

[More](#)

Safety Classification & Labelling

Harmonised Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

Notification Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Breakdown of notifications

No. of notifiers	10 256
Different classifications notified	23
Notifiers failing to agree with harmonised C&L	2 486 (24%)
Hazard Codes notified	7

[More](#)

Concerns & Regulatory Actions / Regulatory Action on this substance

Concerns & Summary



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread use and its high volume of production.

This substance is being evaluated by Germany under the [CoRAP](#) programme.

It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

- **Pre-registration**
Indication by companies that the substance would be registered
[More](#)
- **Registration**
Submission of dossier of information on a substance
[More](#)
- **Dossier Evaluation**
Checking by ECHA that dossier submitted is compliant with REACH
[More](#)
- **Substance Evaluation (CoRAP Plan)**
Evaluation by Member States performed on all data for a substance
[More](#)

Classification & Labelling

This substance has been analysed and a [harmonised classification](#) assigned.

[More](#)

Biocides Regulation

This substance is not a [Biocidal Active Substance](#) and is not used as an ingredient in [Biocidal Products](#) and hence does not fall under the Biocides regulation.

Prior Informed Consent (PIC)

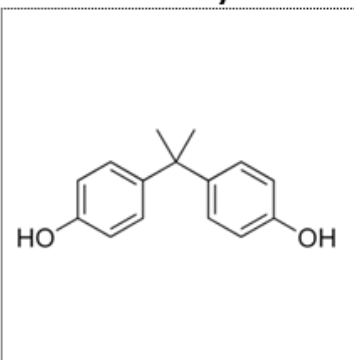
This substance is not a hazardous chemical whose export is covered by the [Rotterdam Convention](#) and hence it does not fall under the PIC regulation.

4,4'-isopropylidenediphenol (BPA)

Brief Profile – last updated 18/09/2013

2,2-bis (4-hydroxyphenyl) propane; 2,2-di(4-hydroxyphenyl)propane; 4,4' isopropylidenediphenol; Bisphenol A; Bisphenol A; BPA; C006780; DIAN; Ipognox 88; ...

Substance Identity



EC Number 201-245-8
EC Name 4,4'-isopropylidenediphenol
CAS Number 80-05-7
Molecular Formula C15H16O2
IUPAC Name 2,2-bis (4-hydroxyphenyl) propane

Smiles Oc1ccc(cc1)C(C)(C)C2=CC=C(O)C=C2
InChI 1S/C15H16O2=1-13(16)7-13(16)8-4-11)12-5-9-14(17)10-12/h3-14,16-17,19-20H

Type of Substance Mono constituent substance
Origin Organic

Estimated tonnage 1,000,000 + per year manufactured/imported in all EEA

Compositions 7
Impurities relevant for classification Yes (2)
Additives relevant for classification No
Substance Listed EINECS

[More](#)

Safety Classification & Labelling

Harmonised Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

Notification Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Breakdown of notifications

No. of notifiers	10 256
Different classifications notified	23
Notifiers failing to agree with harmonised C&L	2 486 (24%)
Hazard Codes notified	7

[More](#)

Concerns & Regulations / Regulatory Actions on this substance

Concerns & Summary



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread use and its high volume of production.

This substance is being evaluated by Germany under the [CoRAP](#) programme.

It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

- **Pre-registration**
Indication by companies that the substance would be registered [More](#)
- **Registration**
Submission of dossier of information on a substance [More](#)
- **Dossier Evaluation**
Checking by ECHA that dossier submitted is compliant with REACH [More](#)
- **Substance Evaluation (CoRAP Plan)**
Evaluation by Member States performed on all data for a substance [More](#)

Classification & Labelling

This substance has been analysed and a [harmonised classification](#) assigned. [More](#)

Biocides Regulation

This substance is not a [Biocidal Active Substance](#) and is not used as an ingredient in [Biocidal Products](#) and hence does not fall under the Biocides regulation.

Prior Informed Consent (PIC)

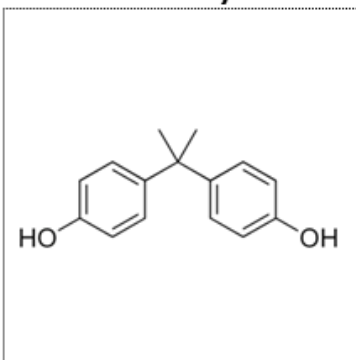
This substance is not a hazardous chemical whose export is covered by the [Rotterdam Convention](#) and hence it does not fall under the PIC regulation.

4,4'-isopropylidenediphenol (BPA)

Brief Profile – last updated 18/09/2013

2,2-bis (4-hydroxyphenyl) propane; 2,2-di(4-hydroxyphenyl)propane; 4,4' isopropylidenediphenol; Bisphenol A; Bisphenol A; BPA; C006780; DIAN; Ipognox 88; ...

Substance Identity



EC Number	201-245-8
EC Name	4,4'-isopropylidenediphenol
CAS Number	80-05-7
Molecular Formula	C15H16O2
IUPAC Name	2,2-bis (4-hydroxyphenyl) propane
Smiles	Oc1ccc(cc1)C(C)(C)C2=CC=C(O)C=C2
InChI	1S/C15H16O2=1-13(16)7-13(16)8-4-11)12-5-9-14(17)10-12/h3-11,13-15,17-18H
Type of Substance	Mono constituent substance
Origin	Organic
Estimated tonnage	1,000,000 + per year manufactured/imported in all EEA

Compositions	7
Impurities relevant for classification	Yes (2)
Additives relevant for classification	No
Substance Listed	EINECS

[More](#)

Safety Classification & Labelling

Harmonised Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

Notification Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Breakdown of notifications

No. of notifiers	10 256
Different classifications notified	23
Notifiers failing to agree with harmonised C&L	2 486 (24%)
Hazard Codes notified	7

[More](#)

Concerns & Regulations / Regulatory Actions on this substance

Concerns & Summary



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread use and its high volume of production.

This substance is being evaluated by Germany under the [CoRAP](#) programme.

It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

- **Pre-registration**
Indication by companies that the substance would be registered [More](#)
- **Registration**
Submission of dossier of information on a substance [More](#)
- **Dossier Evaluation**
Checking by ECHA that dossier submitted is compliant with REACH [More](#)
- **Substance Evaluation (CoRAP Plan)**
Evaluation by Member States performed on all data for a substance [More](#)

Classification & Labelling

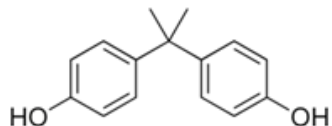
This substance has been analysed and a [harmonised classification](#) assigned. [More](#)

Biocides Regulation

This substance is not a [Biocidal Active Substance](#) and is not used as an ingredient in [Biocidal Products](#) and hence does not fall under the Biocides regulation.

Prior Informed Consent (PIC)

This substance is not a hazardous chemical whose export is covered by the [Rotterdam Convention](#) and hence it does not fall under the PIC regulation.



CAS Number 80080-53-7
Molecular Formula C15H16O2
IUPAC Name 2,2-bis(4-hydroxyphenyl)propane
Smiles Oc1ccc(cc1)C(c2ccc(O)cc2)(C)C
InChI 1S/C15H16O2/c1-15(2,11-3-7-13(16)-14)12-5-9-14(17)10-6-12/h3-10,16-17H,1
Type of Substance Mono constituent substance
Origin Organic
Estimated tonnage 1,000,000 + per year made or imported in the EEA

Registration status Not registered
for classification Not classified
Additives relevant for classification No
Substance Listed Not listed in REACH Annexes

[More](#)

Safety Classification & Labelling

Harmonised Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

Notified Classification & Labelling



Warning! This substance can be very hazardous. This substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Breakdown of notifications

No. of notifiers	10 256
Different classifications notified	23
Notifiers failing to agree with harmonised C&L	2 486 (24%)
Hazard Codes notified	7

[More](#)

Concerns & Regulations / Regulatory Information on this substance

Concerns & Summary



This is a [substance of very high concern](#) due to its suspected damage to fertility, widespread use and its high volume of production. This substance is being evaluated by Germany under the CoRAP programme. It is a candidate for [restriction](#) for use in thermal papers. It has been analysed and a [harmonised classification](#) assigned.

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

Registration
 Re-registration
 Indication by companies that the substance would be registered

[More](#)

Registration
 Submission of dossier of information on a substance

[More](#)

● **Dossier Evaluation**
 Checking by ECHA that dossier submitted is compliant with REACH

[More](#)

● **Substance Evaluation (CoRAP Plan)**
 Evaluation by Member States performed on all data for a substance

[More](#)

● **Authorisation**
 Authorisation process for substances of very high concern

[More](#)

● **Restriction**
 Restriction / phasing out of chemical substances

[More](#)

Classification & Labelling

This substance has been analysed and a [harmonised classification](#) assigned.

[More](#)

Biocides Regulation

This substance is not a [Biocidal Active Substance](#) and is not used as an ingredient in [Biocidal Products](#) and hence does not fall under the Biocides regulation.

Prior Informed Consent (PIC)

This substance is not a hazardous chemical whose export is covered by the [Rotterdam Convention](#) and hence it does not fall under the PIC regulation.

About this substance

Product Categories

This substance can be found or is used in products such as an intermediate step in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, modelling clay, adhesives, sealants, polymers.

substance causes serious eye damage, is suspected of damaging fertility, may cause respiratory irritation, may cause an allergic skin reaction.

substance causes serious eye damage, is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, may cause respiratory irritation.

Hazard Codes notified

7

[More](#)

Concerns & Regulations / Regulatory Action on this substance

Concerns & Summary



This is a [substance of very high concern](#) due to its suspected damage to fertility, its widespread usage and its high volume of production.

This substance is being evaluated by Germany under the [CoRAP](#) programme.

It is a candidate for [restriction](#) for use in thermal papers.

It has been analysed and a [harmonised classification](#) assigned.

Registration, Evaluation, Authorisation & Restriction of Chemicals (REACH)

- **Pre-registration**
Indication by companies that the substance would be registered
[More](#)
- **Registration**
Submission of dossier of information on a substance
[More](#)
- **Dossier Evaluation**
Checking by Member States if dossier submitted is compliant with REACH
[More](#)
- **Substance Evaluation (SVP Plan)**
Evaluation by Member States if all data for a substance is available
[More](#)
- **Authorisation**
Authorisation process for substances of very high concern
[More](#)
- **Restriction**
Restriction / phasing out of chemical substances
[More](#)

Classification & Labelling

This substance has been analysed and a [harmonised classification](#) assigned.
[More](#)

Biocides Regulation

This substance is not a [Biocidal Active Substance](#) and is not used as an ingredient in [Biocidal Products](#) and hence does not fall under the Biocides regulation.

Prior Informed Consent (PIC)

This substance is not a hazardous chemical whose export is covered by the [Rotterdam Convention](#) and hence it does not fall under the PIC regulation.

About this substance

Product Categories

This substance can be found or is used in products such as an intermediate in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, modelling clay, adhesives, sealants, polymers.

Sectors of use

This substance is used in fields such as plastic product manufacturing, mixing and/or re-packaging, computer, electrical, electronic and optical product manufacture, building & construction work, manufacture of machinery, equipment and other transport equipment, pulp, paper and paper product manufacture, electricity, steam, gas, water supply and sewage treatment, rubber product manufacture.

Processes in which used

This substance is used during processes such as transfer (large), at dedicated facilities, closed batch processing, closed process with occasional exposure, transfer (small), batch processing, batch and other processing, production by tableting, compression, extrusion or pelletisation, roller or brush application, treatment by dipping and pouring, transfer (large), non-dedicated facilities.



Environmental Release & Exposure

Exposure to this substance is most likely to occur via indoor use in long-life articles with low release, industrial use (in finished products), formulation, outdoor use in long-life articles with low release, industrial use as an intermediate step in further manufacturing, formulation, indoor use resulting in spreading of the substance, outdoor use resulting in spreading of the substance, manufacturing, industrial use for thermoplastic manufacturing.

[More](#)

Physical & Chemical Properties

Physical State (@20°C, 1 atm)	 Solid	Partition Coefficient	Average 0.125	St Dev 0.002	
Form	 Crystals	Water Solubility	12g/L	1.2g/L	
Colour	 White	Flash Point	289°C	2.3°C	
Odour	 Odourless				
Substance Type	 Organic				

 Authorisation / process for substances of very high concern
 Restriction
 Restriction / phasing out of chemical substances

[More](#)

About this substance

Product Categories

This substance can be found or is used in products such as an intermediate step in further manufacturing, coatings, paints, paint thinners & removers, fillers, putties, plasters, modelling clay, adhesives, sealants, polymers.

Sectors of use

This substance is used in fields such as plastic product manufacture, mixing and/or re-packaging, composite material, electronic and optical product manufacture, building & construction work, manufacture of machinery, equipment, vehicles & other transport equipment, pulp, paper and paper product manufacture, electricity, steam, gas, water supply and sewage treatment, rubber product manufacture.

Processes in which used






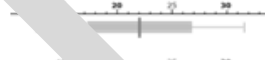

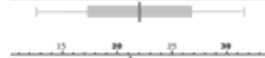
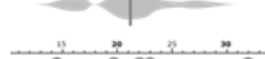

This substance is used during processes such as transfer (large), at dedicated facilities, batch processing, closed process with occasional exposure, transfer (small), batch processing, batch and other processing, production by tableting, compression, extrusion or pelletising, rolling, with application, treatment by dipping and pouring, transfer (large), non-dedicated facilities.

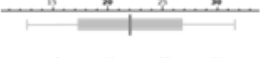
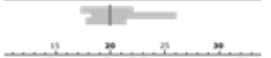




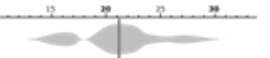
Environmental Release & Exposure

Exposure to this substance is most likely to occur via indoor use in long-life articles with low release, use (in finished products), formulation, outdoor use in long-life articles with low release, industrial use as an intermediate step in further manufacturing, formulation, indoor use resulting in spreading of the substance, outdoor use resulting in spreading of the substance, manufacturing, industrial use for thermoplastic manufacture.

[More](#)

Physical & Chemical Properties

Physical State (@20°C, 1 atm)	 Solid
Form	 Crystals
Colour	 White
Odour	 Odourless
Substance Type	 Organic
Melting / Freezing Point	22°C <small>St Dev</small> 2°C 
Boiling Point	105°C <small>St Dev</small> 3°C 
Density	2.03 <small>St Dev</small> 0.0 
Particle size distribution	5.0µm <small>St Dev</small> 0.1 - 10µm 
Vapour pressure	21 - 25 <small>St Dev</small> 3 mBar 

	Average	St Dev	
Partition Coefficient	0.125	0.002	
Water Solubility	12g/L	1.2g/L	
Flash Point	289°C	2.3°C	
Auto Flammability	-	-	
Flammability	 Yes		
Explosiveness	 Yes		
Oxidising Properties	No		
Stability in organic solvent	Stable		
Storage stability	Stable		
pH	-		
Dissociation constant	0.0057	0.0002	

Physical & Chemical Properties

Property	Average	St Dev	Visual	Property	Average	St Dev	Visual
Physical State (@20°C, 1 atm)				Partition Coefficient	0.125	0.002	
Form				Water Solubility	1.2g/L		
Colour				Melting Point	289°C	2.3°C	
Odour				Flammability	-	-	
Substance Type				Flammable			
Melting / Freezing Point	22°C	1.2°C		Explosive			
Boiling Point	105°C	3.6°C		Oxidising Properties	No		
Density	2.03	0.02		Stability in organic solvent	Stable		
Particle size distribution	2.4 – 5.0um	0.1 – 0.7um		Thermal stability	Stable		
Vapour pressure	21 – 25 mBar	2 – 3 mBar		Dissociation constant	0.0057	0.0002	

Environmental Fate & Pathways

Property	Average	St Dev	Visual	Property	Average	St Dev	Visual
XXXXXXXXXX	22	1.2		XXXXXXXXXX	22	1.2	
XXXXXXXXXX	105	3.6		XXXXXXXXXX	105	3.6	
XXXXXXXXXX	2.03	0.02		XXXXXXXXXX	2.03	0.02	
XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7		XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7	
XXXXXXXXXX	21 – 25	2 – 3		XXXXXXXXXX	21 – 25	2 – 3	

Vapour pressure

21 – 25 mBar 2 – 3 mBar



pH

Dissociation constant

0.0057

0.0002



Environmental Fate & Pathways

	<u>Average</u>	<u>St Dev</u>		<u>Average</u>	<u>St Dev</u>	
XXXXXXXXXX	22	1.2		XXXXXXXXXX	22	1.2
XXXXXXXXXX	105	3.6		XXXXXXXXXX	105	3.6
XXXXXXXXXX	2.03	0.02		XXXXXXXXXX	2.03	0.02
XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7		XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7
XXXXXXXXXX	21 – 25	2 – 3		XXXXXXXXXX	21 – 25	2 – 3

Ecotoxicological Information

	<u>Average</u>	<u>St Dev</u>		<u>Average</u>	<u>St Dev</u>	
PNEC - freshwater	22	1.2		XXXXXXXXXX	22	1.2
PNEC - marine water	105	3.6		XXXXXXXXXX	105	3.6
XXXXXXXXXX	2.03	0.02		XXXXXXXXXX	2.03	0.02
XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7		XXXXXXXXXX	2.4 – 5.0	0.1 – 0.7
XXXXXXXXXX	21 – 25	2 – 3		XXXXXXXXXX	21 – 25	2 – 3

XXXXXXXXXX

2.4 – 5.0

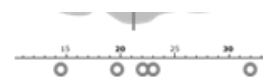
0.1 – 0.7



XXXXXXXXXX

2.4 – 5.0

0.1 – 0.7



XXXXXXXXXX

21 – 25

2 – 3

XXXXXXXXXX

21 – 25

2 – 3

Ecotoxicological Information

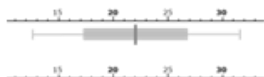
Average

St Dev

PNEC – freshwater

22

1.2



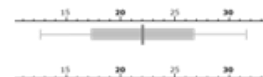
XXXXXXXXXX

Average

St Dev

22

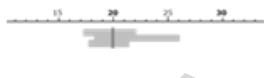
1.2



PNEC – marine water

105

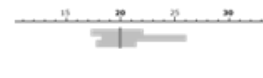
3.6



XXXXXXXXXX

105

3.6



XXXXXXXXXX

2.03

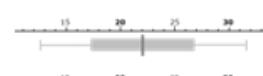
0.02



XXXXXXXXXX

2.03

0.02



XXXXXXXXXX

2.4 – 5.0

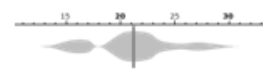
0.1 – 0.7



XXXXXXXXXX

2.4 – 5.0

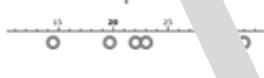
0.1 – 0.7



XXXXXXXXXX

21 – 25

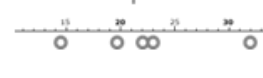
2 – 3



XXXXXXXXXX

21 – 25

2 – 3



Toxicological Information

Average

St Dev

DNEL – long term exposure

22

1.2



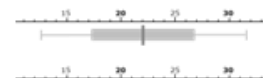
XXXXXXXXXX

Average

St Dev

22

1.2



DNEL – acute / short term

105

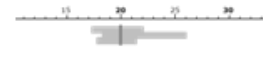
3.6



XXXXXXXXXX

105

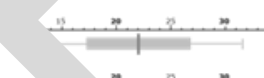
3.6



XXXXXXXXXX

0.02

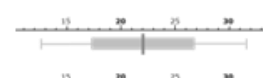
0.02



XXXXXXXXXX

2.03

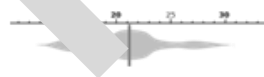
0.02



XXXXXXXXXX

2.4 – 5.0

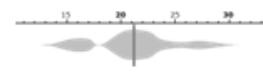
0.1 – 0.7



XXXXXXXXXX

2.4 – 5.0

0.1 – 0.7



XXXXXXXXXX

21 – 25

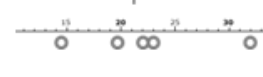
2 – 3



XXXXXXXXXX

21 – 25

2 – 3



Benefits

- Tiered approach
 - Better fit to audience needs
 - Ability to browse quickly through key information before digging further in the dossiers
- Readability / transparency
 - Key information on a substance available at a glance
 - Translation of key information in readable text (e.g. uses)
 - Understanding of regulatory processes (CoRAP, Candidate list, etc.)
 - Link to other legislations (PIC, BPR)

Upcoming event

Workshop on Brief profiles - 3 December 2013



Thank you!

christel.musset@echa.europa.eu

