

Information on the supply chain

Downstream user update

21 October 2015

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European Chemicals Agency



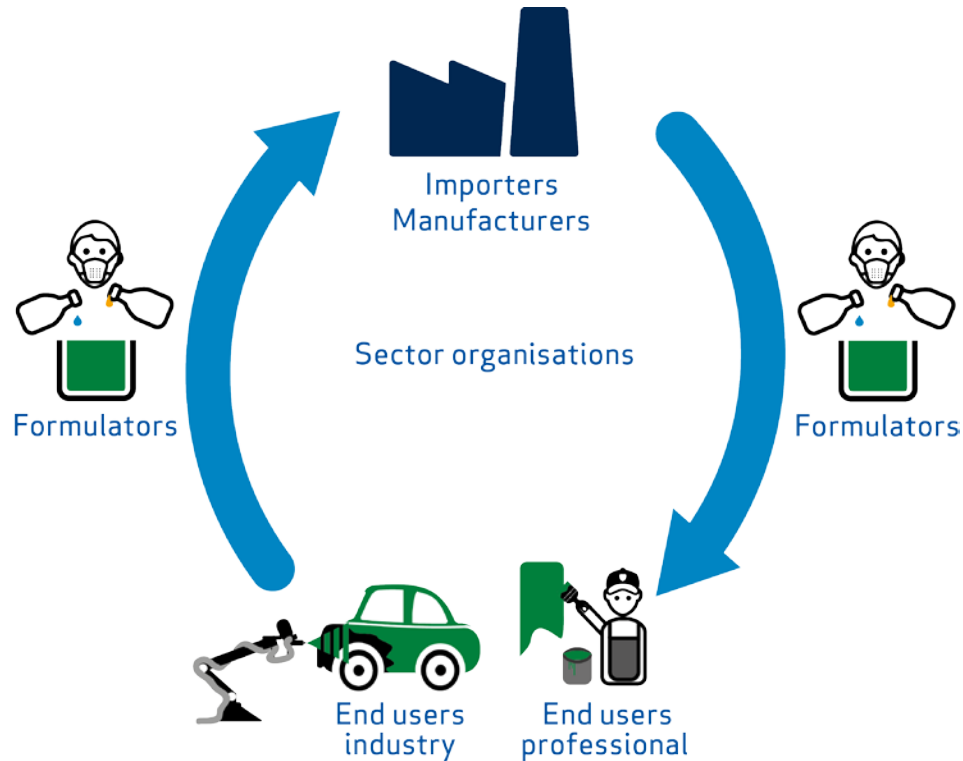
Contents

- Vision on how information in the supply chain works.
- Tools that help with effective supply chain communication.
 - What's available now and in near future
- Mixtures.
- Sources of information on chemicals:
 - Finding information on chemicals
 - Databases
 - Dissemination web page: InfoCard and Brief Profile.
- Useful links.

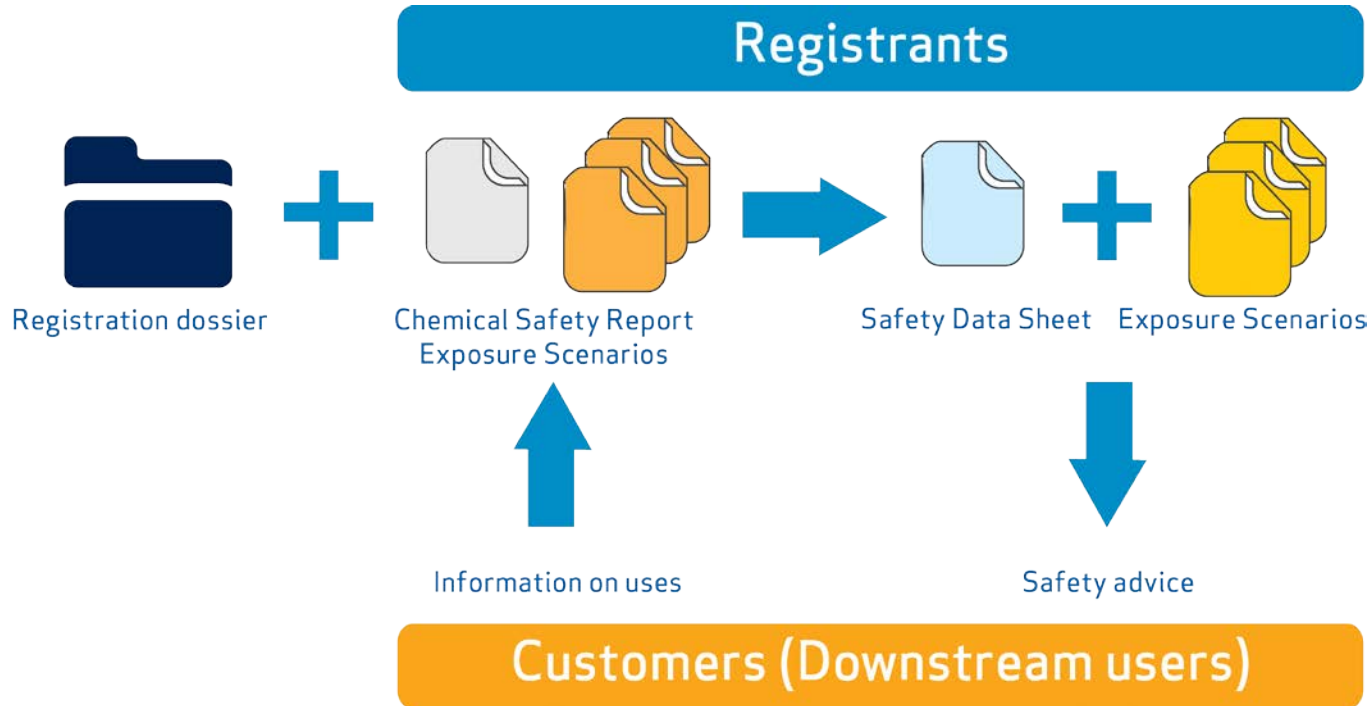
The chemical supply chain



Communication flow in the supply chain

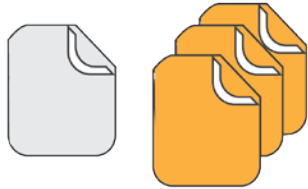


Communication in the supply chain



Communication in the supply chain

Registrants



Chemical Safety Report
Exposure Scenarios



Information on uses

- Better information to suppliers results in better advice on safe use from suppliers.
- If you have new information on
 - hazards or
 - inappropriate risk management measures in the safety data sheetYou **must** communicate it to your supplier.

Customers (Downstream users)

Formulators

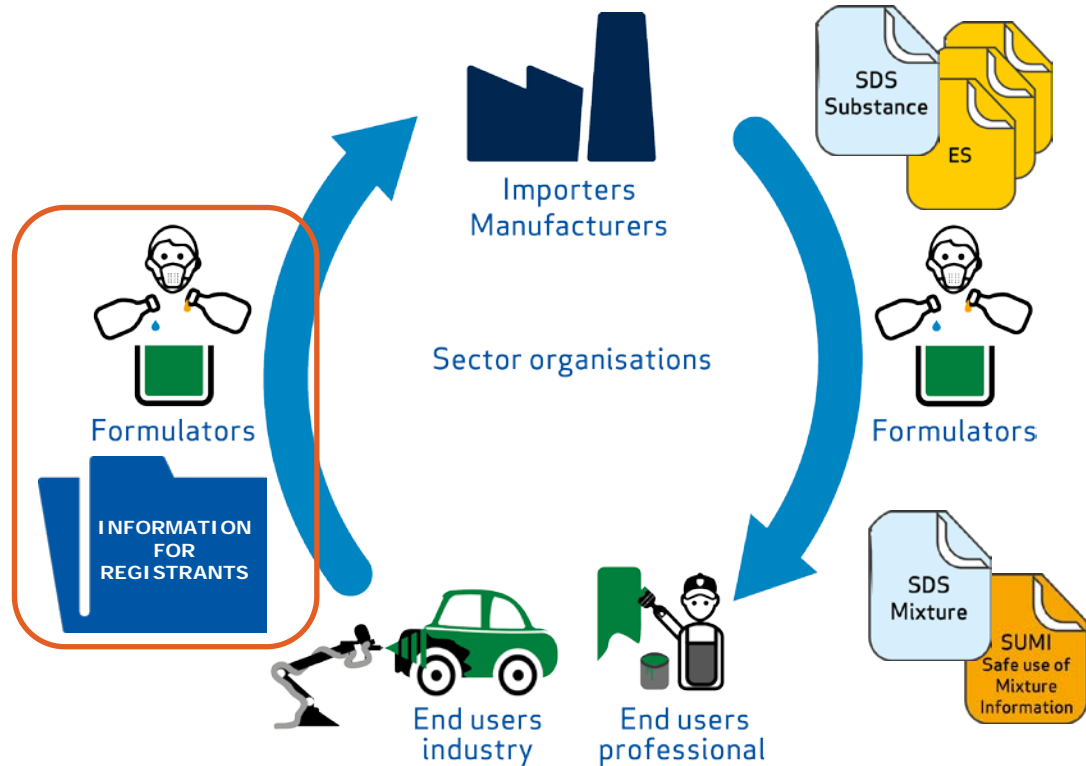
Formulators produce mixtures, which are usually supplied further downstream

- Examples of mixtures: paints, lubricants, cleaning agents and adhesives

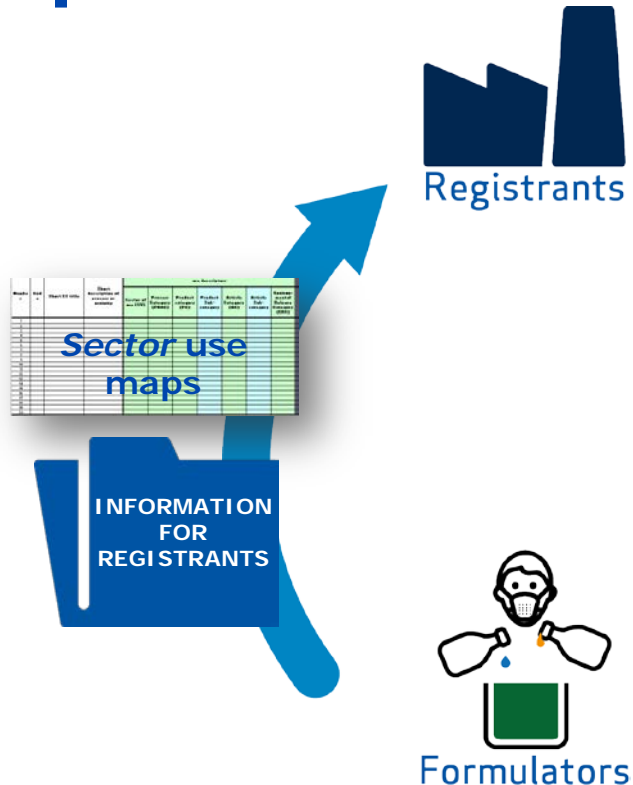


...are downstream users under REACH and CLP

Communication in the supply chain

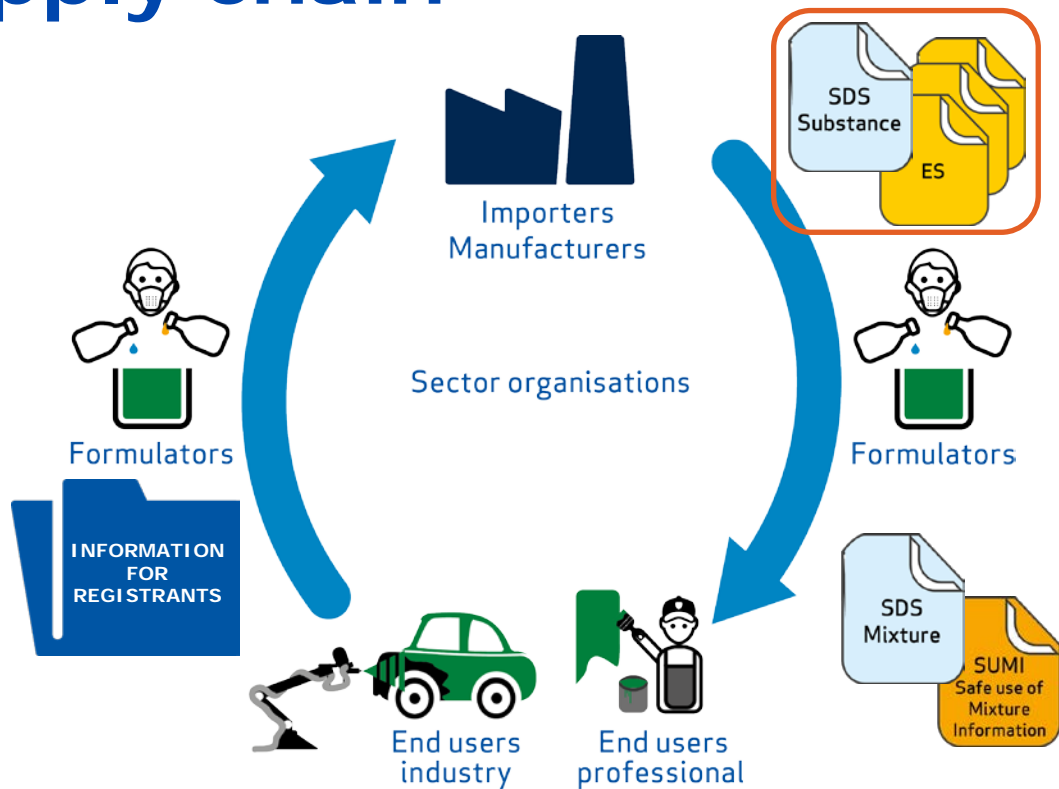


Upstream communication



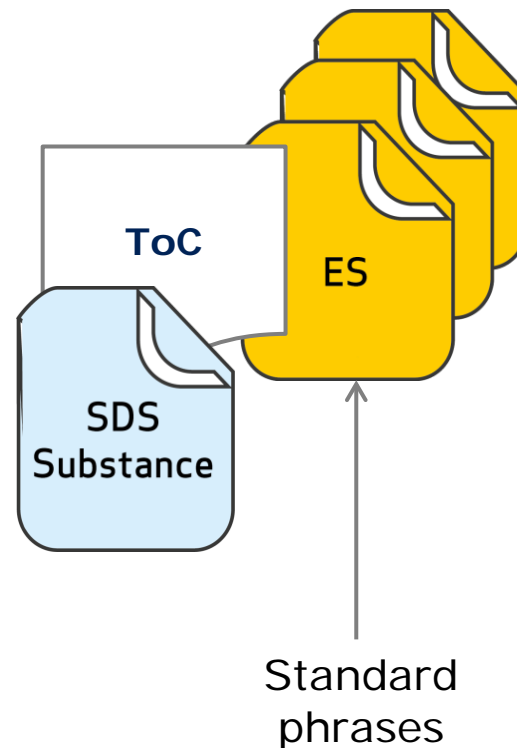
- Several industry organisations have developed Sector Use Maps for registrants to use
- Act now to include uses for substances that are to be registered in 2018

The supply chain

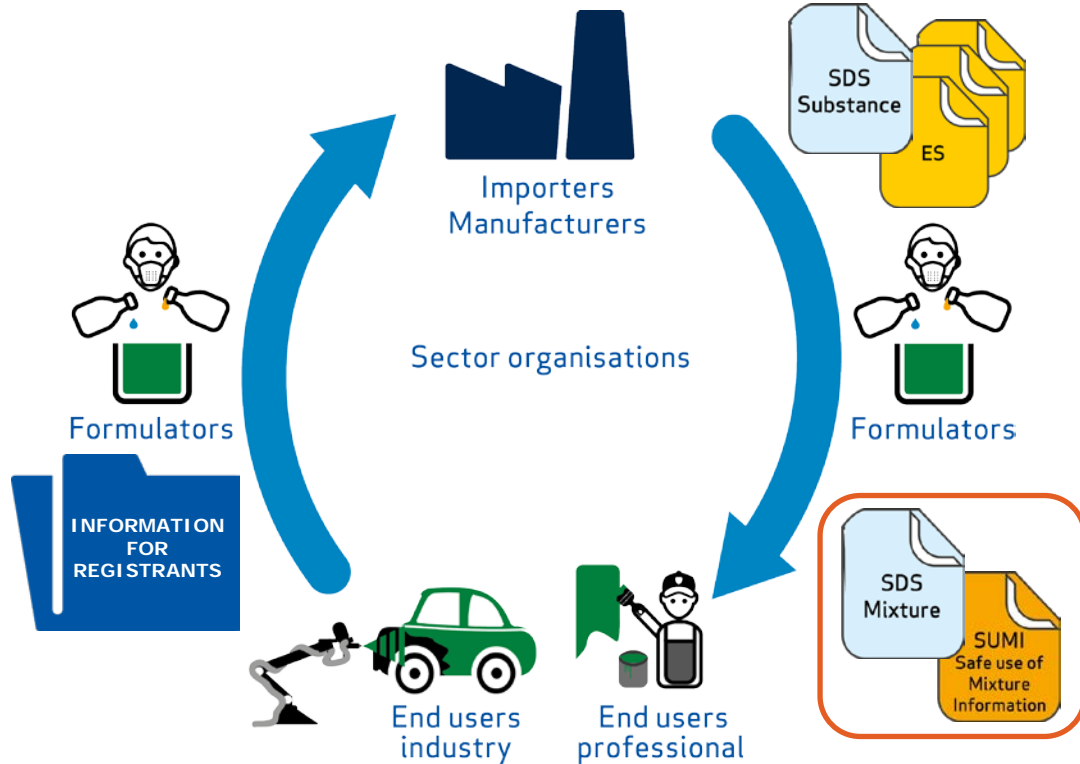


Harmonisation and structure of exposure scenario

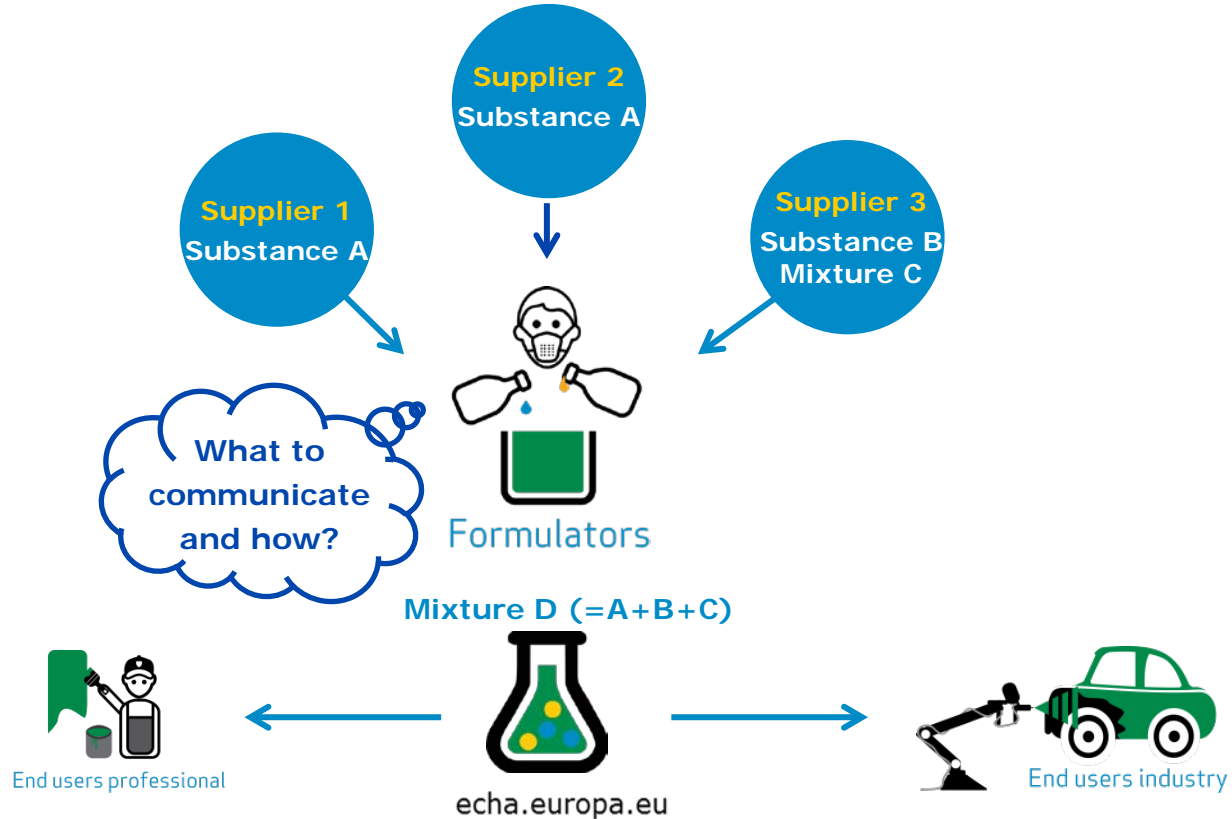
- Consistent format for the exposure scenario.
- Efficiency through harmonisation and an IT exchange standard, ESCom package.
- Standard phrases – less variability in the information; more relevant and understandable.
- Table of Contents (ToC) in SDS, easier to identify the exposure scenarios relevant for you.



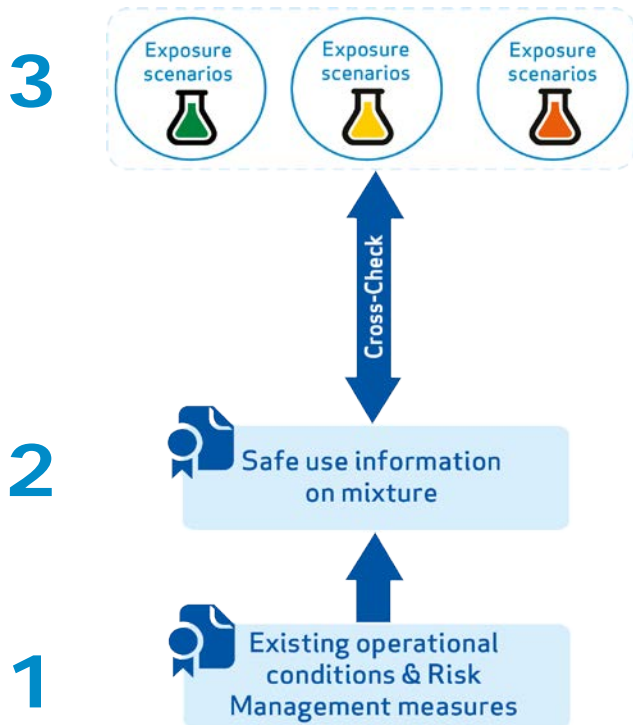
The supply chain



Formulating mixtures for end users





What to communicate - Bottom up approach



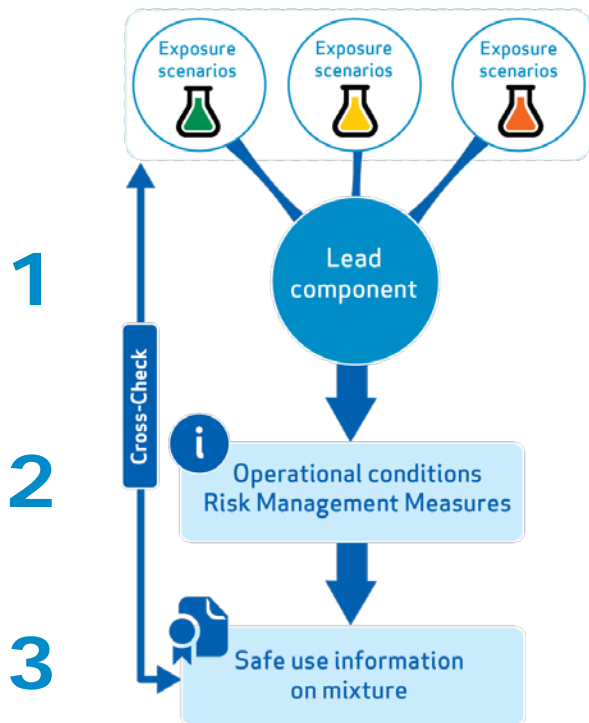
1. Existing conditions of safe use are identified within sectors
2. Provided as **Safe Use of Mixtures Information (SUMI)**
 1. Harmonised template
 2. Uses clear language, pictograms, in sector terminology
3. Formulator cross checks that use is covered by supplier ES

Safe Use of Mixture Information (SUMI)

| Mandatory SUMI content | | Optional SUMI content | |
|---|----------------|---|--|
| SUMI: Safe Use of Mixtures Information for end-users | | Sector logo | |
| Sector_SUMI_code: Title of SUMI | | Good practice advice | |
| General description of process covered <i>May include use descriptor codes or reference to SWED</i> | | If relevant, applicable (sector-specific) good practice advice | |
| Operational Conditions | | <i>Use of pictograms when available</i>  | |
| <i>Maximum duration:</i> | <i>xx min.</i> | Additional information on product composition | |
| <i>Other:</i> | <i>xxx</i> | To include references to other relevant sections of SDS or product label | |
| Risk Management Measures | | | |
| Required RMMs, use of pictograms  | | | |
| <i>Reference to Section 8 of SDS for RMM specifications</i> | | | |
| <i>If applicable: any environmental measures</i> | | | |
| Disclaimer | | | |
| <i>Disclaimer on boundaries of SUMI use</i> | | | |
| Sector_SUMI_code / version number | | Sector_SUMI_code / version number | |

NOTE: This format is still subject to (minor) editorial changes.

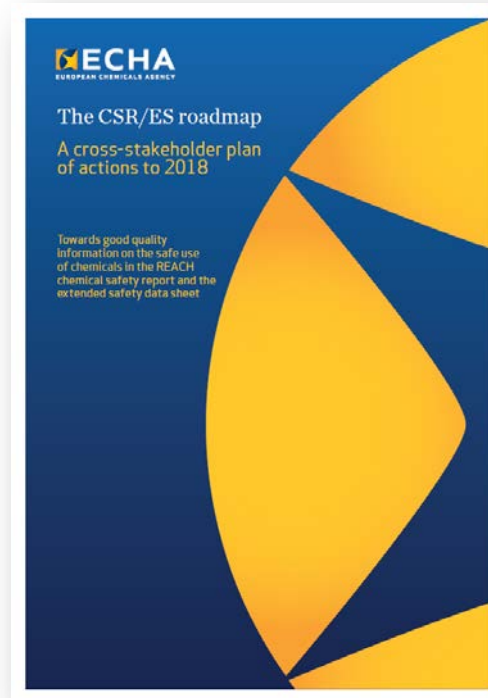
What to communicate – Top down approach



1. Lead component for various routes of exposure is identified (methodology under development by industry sectors)
2. This identifies which OC/RMMs to communicate
3. This is communicated as safe use information on mixture

Improving communication in the supply chain

- CSR/ES Roadmap
 - stakeholder plan of action
- Exchange Network on Exposure Scenarios (ENES)
 - collaborative network
 - companies, sector associations, authorities



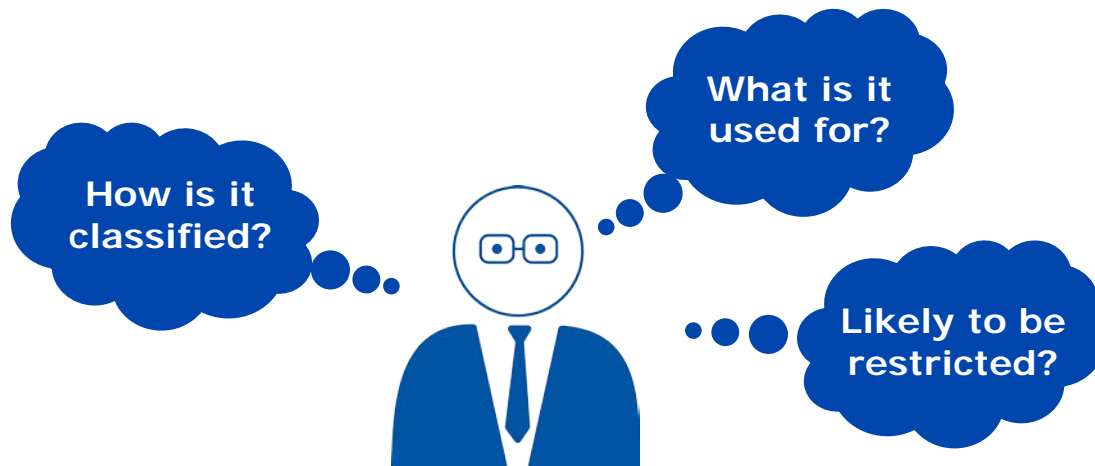
Sources of information on chemicals



Sources of information on chemicals

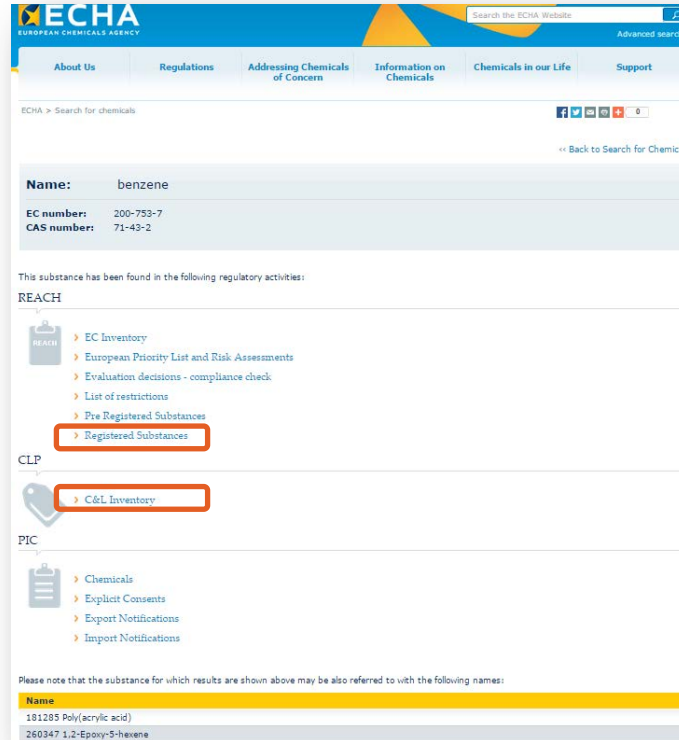
- Finding information on chemicals
- Databases
- (New) Dissemination web page

Finding information on chemicals

A screenshot of the ECHA search interface. At the top, it says 'Search for Chemicals' with a small globe icon. Below that is a checkbox labeled 'I have read and I accept the legal notice'. Underneath is a search input field with the placeholder text 'Name, EC or CAS No' and a magnifying glass icon to its right. At the bottom left of the input field is a small blue dropdown arrow.

<http://www.echa.europa.eu/information-on-chemicals>

Substance information on the ECHA website



ECHA 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 > Search for chemicals

Facebook Twitter LinkedIn YouTube Instagram

← Back to Search for Chemicals

Name: benzene

EC number: 200-753-7
CAS number: 71-43-2

This substance has been found in the following regulatory activities:

REACH

- EC Inventory
- European Priority List and Risk Assessments
- Evaluation decisions - compliance check
- List of restrictions
- Pre Registered Substances
- Registered Substances**

CLP

- C&L Inventory**

PIC

- Chemicals
- Explicit Consents
- Export Notifications
- Import Notifications

Please note that the substance for which results are shown above may be also referred to with the following names:

| Name |
|---------------------------|
| 181285 Poly(acrylic acid) |
| 260347 1,2-Epoxy-5-hexene |

Databases on ECHA website

- Registered Substances
 - >13,000 substances registered
- C&L inventory
 - >120,000 substances notified
- Regulatory status (authorisation, restriction etc)
- Databases from other regulations (Biocidal Products Regulation (BPR), Prior Informed Consent (PIC))
- Information from previous chemicals legislation

<http://echa.europa.eu/information-on-chemicals>

InfoCard (new 2015)

High-level information to concerned citizens

Understandable to the broadest audience possible

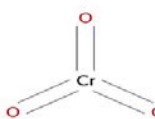


Information on hazards, classification, uses & exposure

Overview of main regulatory activities

Information in downloadable format

Chromium (VI) trioxide

Other names: IUPAC names [18] Regulatory processes names [3] Trade names [9] Groups: [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100]

| | | |
|--|--|---|
| <p>Substance identity</p> <p>EC no: 215-607-8 CAS no: 1333-82-0 Mol. formula: CrO₃</p> <div style="text-align: center;">  </div> | <p>Safety classification & labelling</p> <div style="text-align: center;">  </div> <p>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.</p> <p>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.</p> | <p>Critical properties</p> <div style="text-align: center;">  </div> <p>Regulatory actions</p> <ul style="list-style-type: none"> 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). <p>Precautions and safe use</p> <ul style="list-style-type: none"> 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. <p style="text-align: right; font-size: small;">INFOCARD - last updated: 18/05/2015</p> |
| <p>About this substance</p> <p>This substance is manufactured and/or imported in the European Economic Area in 10,000 to 100,000 tonnes per year.</p> <p>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).</p> <p>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. more</p> | | |

Brief Profile

Substance description

4,4'-isopropylidenediphenol

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

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

Substance identity

EC Name: 215-607-8
 RUPAD Name: 2,2-bis (4-hydroxyphenyl) propane
 Other names:
 SMILES: Oc1ccc(cc1)C2(C)C(c3ccc(O)cc3)C2
 INCI: 15/C15H16O2c1-15(c2,11-3-7-13)(6-4-11)12-9-9-14(17) 10-6-12/R3-10,16-17H,1-2F3
 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

Substance identity | Safety classification & labeling | Critical properties | Regulatory actions | About this substance | Registrants/Suppliers | Other names | < Back to top

EC Number: 60-09-7
 CAS Number: C15H16O2
 Index Number: 604-030-00-0
 Molecular Formula: C15H16O2

Safety Classification & Labelling

⚠️ ⚠️
 Danger! According to the Harmonized 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 drowsiness or extreme drowsiness 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.

Break-down of all 2 605 CEI's notifications submitted to ECHA

| Classification | Count |
|-------------------|-------|
| Male 15 | 4590 |
| Sex Dev. 1 | 4517 |
| Sex Con. 1A | 4034 |
| Exp. Sens. 1 | 4034 |
| STOT RE 1 | 4072 |
| Exp. 2 | 4061 |
| Car. 1A | 4030 |
| Aquatic Chronic 1 | 4063 |
| Ch. Lit. 1 | 4071 |
| Acute Tox. 1 | 4030 |
| Acute Tox. 2 | 4051 |
| Acute Tox. 3 | 4011 |
| Acute Aquat. 1 | 4040 |
| Ch. Lit. 2 | 4072 |
| Acute Tox. 1 | 4061 |

0% 10% 20% 30% 40% 50% 60% 70% 80% 90%

Legend: Harmonized Classification, CLP notifications, Notified Classification, 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: 06/12/2014 | Print

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.

Appearance / physical state / colour

Study results 8 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 | Not qualified: 1 |
| Weight of evidence | Exposure core: 1 |
| Other | Other |

Summaries 1 summary provided 1 summary processed

Melting / freezing point at 101 325 Pa
105 °C

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 constants
- Viscosity

Environmental fate & pathways

Ecotoxicological information

Toxicological information

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How information from REACH/CLP can help chemicals be used more safely

Exposure scenarios – improvements are being made in content, format and automation

Formulators – they are playing a vital role in communicating the relevant information in an understandable way

Information in the supply chain – what goes up, comes down

Information from REACH/CLP – a lot is available on ECHA website to help environmental, health and safety activities

Follow the developments: echa.europa.eu/csr-es-roadmap

Useful links

- CSR/ES Roadmap
 - Developing solutions to supply chain issues.
 - <http://echa.europa.eu/regulations/reach/registration/information-requirements/chemical-safety-report/csr-es-roadmap>
- Exchange Network on Exposure Scenarios
 - Exchange on good practice
 - <http://echa.europa.eu/web/guest/about-us/exchange-network-on-exposure-scenarios>
- Downstream user web pages
 - <http://echa.europa.eu/regulations/reach/downstream-users>

Thank you!

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