

What is a Registered Substance Factsheet?

May 2018

An abstract graphic consisting of several large, overlapping white shapes on a dark blue background. The shapes are curved and organic, resembling stylized leaves or petals. One large shape is on the right side, another is on the left, and they overlap in the center.

Disclaimer

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What is a Registered Substance Factsheet?

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<http://echa.europa.eu/contact>

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1. The factsheet

The REACH registered substance factsheet is a dissemination tool introduced by the European Chemical Agency (ECHA) to publish information from Agency's registered substance database.

ECHA is committed to making sure that the public has the widest-possible access to its documents. In accordance with ECHA's legal obligations to make (non-confidential) information on chemicals publicly available, the REACH registered substance factsheet contains public information on registered substances from ECHA's databases. It contains the unique set of non-confidential information from all registration dossiers for each registered substance.

The REACH registered substance factsheet is the set of public information from ECHA's databases for a single joint or individual registrations. It is accessible from ECHA's registered substances webpage, from the substance Infocard and Brief Profile, and from the eChemPortal.


As an Agency, ECHA aims to enhance the safe use of chemicals for humans and the environment, while at the same time promoting innovation and competitiveness in the chemical sector. With the REACH registered substance factsheet and related dissemination tools such as the Infocard and the Brief Profile, the Agency wishes to make people more aware of the risks to which they may be exposed, thus encouraging an overall safer use of chemicals.

The REACH registered substance factsheet's main user functionalities are:

- Presents substance information in a user friendly and printable format;
- Compiles non-confidential information available on a substance extracted from all dossiers of a single or individual registrations under REACH regulation;
- The information presented in the factsheet is:
 - Substance identification
 - All the unique compositions provided by the registrants
 - Identities of registrants / suppliers and year of last update
 - Non-confidential registration numbers
 - Contact persons responsible for the safety data sheet
 - Classification and labelling and PBT assessment
 - Manufacture, use and exposure
 - Physical and Chemical properties
 - Environmental fate and pathways
 - Ecotoxicological information
 - Toxicological information
 - Analytical methods
 - Guidance on safe use
 - Indication whether an assessment report has been provided
 - Details on reference substances
 - Indication of the category(ies) to which a substance can belong

Please note: the REACH registered substance factsheet comes in two shades of blue according to the registration type: a) light blue, for full and intermediate registrations; and b) darker blue for NONS registrations.

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Chloroacetic acid 

EC number: 201-179-4 | CAS number: 79-11-8

General information

Classification & Labeling & PBT assessment

Manufacture, use & exposure

Physical & Chemical properties

Environmental fate & pathways

Ecotoxicological information

Toxicological information

Analysis methods

Guidance on safe use

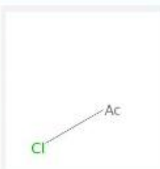
Assessment reports

Reference substances

General information

Identification Composition Registration data Administrative data Contact Persons responsible for the SDS

Identification



Display Name:	Chloroacetic acid
EC Number:	201-179-4
EC Name:	Chloroacetic acid
CAS Number:	79-11-8
Molecular formula:	C2H3ClO2
IUPAC Name:	2-chloroacetic acid

Type of substance

Composition: mono-co-attendant substance

Origin: organic

Other names

Trade names: MCA, Monochloro Acetic Acid, Monochloroacetic Acid, Monochloroacetic acid (3040) [MCA], Polyanionic Cellulose Polymer

Total tonnage band

Total range: 10 000 - 100 000 tonnes per annum

REACH


Registered as: **Full**

Submitted: Joint Submission

Publication dates

a) Full and intermediate registrations

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(1-3)PEPTIDE 

EC number: 427-530-9 | CAS number: -

General information

Classification & Labeling & PBT assessment

Manufacture, use & exposure

Physical & Chemical properties

Environmental fate & pathways

Ecotoxicological information

Toxicological information

Analysis methods

Guidance on safe use

Assessment reports

Reference substances

General information

Identification Composition Registration data Administrative data Contact Persons responsible for the SDS

Identification

Display Name:	-
EC Number:	427-530-9
EC Name:	-
CAS Number:	-
IUPAC Name:	-

Total tonnage band

Total range: Tonnage Data Confidential

NONS

Registered as: **NONS**

Submitted: Individual Submission

Publication dates

First published: 16-Dec-2013

Last modified: 21-Apr-2017

Chemical safety assessment

Performed for this substance: NO

Compositions open all close all

+ Composition 1

Registrants /Suppliers of the substance

b) NONS registrations

1.1. Dissemination

Dissemination is the publication of regulatory and substance centric data from ECHA's databases.

Detailed information on dissemination process in relation to publishing data from registration dossiers under REACH can be found in the manual on "**Dissemination and confidentiality under the REACH Regulation**" following the link <https://echa.europa.eu/manuals>.

1.2. Generating the factsheets

The registered substance factsheet has been created by ECHA in consultation with various stakeholders, from industry associations to NGOs, and from national authorities to European institutions. The registered substance factsheet is produced based on data in ECHA's databases and maintained by the Agency, and therefore as a dissemination tool it falls under ECHA's responsibility. However, the data contained therein is the responsibility of industry.

Due to the quantity of information and the number of chemicals subject to dissemination, the factsheet is automatically generated based on the information available. The Agency tries to aggregate the information on chemicals in the best possible way, however, the information is not manually verified and therefore, ECHA cannot check whether all the information provided by industry is free of errors.

1.3. Dealing with factsheet errors

If you have questions or concerns regarding the dissemination process or any other comments or suggestions please contact ECHA via <https://echa.europa.eu/contact>.

If you are a journalist, please contact the ECHA Press Office (press (at) echa.europa.eu).

2. Factsheet sections

The registered substance factsheet provides sections with the most complete data extracted from all dossiers of a single joint or individual registrations. Each section displays the content of the corresponding IUCLID section and includes subsections equivalent to the IUCLID section tree.

IUCLID is a software provided for free by ECHA to record, store, maintain and exchange data on intrinsic and hazard properties of chemicals substances submitted to the Agency under REACH regulation.

Please note: there can be multiple set of results provided per subsection.

E.g. Ecotoxicological information > Aquatic toxicity > Short-term toxicity to fish.

The factsheet header contains ECHA's preferred substance name that has been notified to ECHA, or of which ECHA is aware.

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Formaldehyde

EC number: 200-001-8 | CAS number: 50-00-0

- General information
- Classification & Labelling & PBT assessment
- Manufacture, use & exposure
- Physical & Chemical properties
- Environmental fate & pathways
- Ecotoxicological information**
- Toxicological information
- Analytical methods
- Guidance on safe use
- Assessment reports
- Reference substances

Ecotoxicological 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
 - Endocrine disrupter testing in aquatic vertebrates – in vivo
 - Toxicity to other aquatic organisms
- Sediment toxicity
- **Terrestrial toxicity**
 - Biological effects monitoring
 - Biotransformation and kinetics
 - Additional ecotoxicological information

Short-term toxicity to fish

Currently viewing: S-01 | Summary

Administrative data Link to relevant study record(s) Description of key information Key value for chemical safety assessment

Additional information

Administrative data

Link to relevant study record(s)

Description of key information

Acute toxic to fish: LC50 (96h) = 6.18 mg/L

Key value for chemical safety assessment

Additional information

The acute data on formaldehyde toxicity to fish are similar and do not vary to a great extent. The most sensitive species is the striped bass (*Morone saxatilis*) for which a LC50 (96 h) = 6.18 mg/L is reported (Reardon, 1990). A lower LC50-value of 1.98 mg/L was obtained in the same study. However, due to additional hypoosmotic stress this value is considered not relevant.

Information on Registered Substances comes from registration dossiers which have been assigned a registration number. The assignment of a registration number does however not guarantee that the information in the dossier is correct or that the dossier is compliant with Regulation (EC) No 1907/2006 (the REACH Regulation). This information has not been reviewed or verified by the Agency or any other authority. The content is subject to change without prior notice. Reproduction or further distribution of this information may be subject to copyright protection. Use of the information without obtaining the permission from the owner(s) of the respective information might violate the rights of the owner.

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Factsheet navigation menu

2.1. General Information

Compiles the most general information on the substance extracted from all dossiers of a single joint or individual registrations under REACH regulation.

E.g. substance identifiers, compositions, registration and administrative data, and contact

information for the safety data sheet (SDS).

2.1.1. Identification

The 'Identification' subsection identifies each substance by name and other identifiers of the same substance. The information of the substance is extracted from all dossiers of a single joint or individual registrations under REACH regulation. The substance identifiers displayed in the factsheet are the substance name, EC number, EC name, CAS number, molecular formula and structural formula image, and IUPAC name, where provided and not claimed confidential.

2.1.1.1. Display name

The display name if provided by the registrant is linked to the relevant Reference substance, which contains the full non-confidential details of the (Reference) substance. For more information on Reference substances see [section 2.8](#).

2.1.1.2. EC number

The European Community (EC) number is the official numerical identifier for substances within the European Union (EU) used by ECHA and are found in the EC Inventory. The EC Inventory is a combination of three independent and legally approved European lists of substances from the previous EU chemicals regulatory frameworks (EINECS, ELINCS and the NLP-list). If the substance was not covered by the EC Inventory, a list number is attributed by ECHA for REACH registration and CLP notification purposes.

2.1.1.3. EC name

The European Community (EC) name is the official nomenclature identifier that has been assigned to substances for regulatory purposes within the European Union by the European Commission.

2.1.1.4. CAS number

The CAS registry number is the substance numerical identifier assigned by the Chemical Abstract Service, a division of the American Chemical Society, to substances registered in the CAS registry database. The CAS number is a widely used chemical identifier.

2.1.1.5. Molecular formula

The molecular formula identifies each type of element by its chemical symbol and identifies the number of atoms of each element found in one discrete molecule of the substance. If the substance ID is not claimed confidential, the molecular formula will be displayed.

2.1.1.6. Molecular structure

The molecular structure provided by the registrants is displayed if not claimed confidential.

General information	
Identification	
Identification	Compositions
Registration data	Administrative data
Contact Persons responsible for the SDS	

Identification	
Display Name:	-
CAS Number:	1122460-01-8
Molecular formula:	C14H25NO3
IUPAC Name:	-

Molecular structure

2.1.1.7. IUPAC name

The IUPAC name is provided by registrants if not confidential and should be based on the international standard chemical nomenclature set by the International Union of Pure and Applied Chemistry (IUPAC).

The IUPAC nomenclature is a systematic way of naming chemical substances, both organic and inorganic. In IUPAC nomenclature, prefixes, suffixes and infixes are used to describe the type and position of functional groups in the substance.

2.1.1.8. Type of substance

Substances under REACH are defined by its chemical composition and origin. The REACH registered substance factsheet publishes the type of substance chosen by the joint submission lead registrant.

1. **Composition:** registrants can identify their substance as being a mono-constituent substance, multi-constituent substance, UVCB, polymer or specify another type.
2. **Origin:** registrants can identify the origin of their substance (e.g. element, inorganic, organic, organometallic, petroleum product or other).

2.1.1.9. Other names

1. **Trade names:** This list of names is generated from all non-confidential names registered by any registrant in a joint submission under REACH Regulation.

2.1.1.10. Total tonnage band

This is the substance total tonnage placed on the European Economic Area (EEA) market, calculated based on the last reported non-confidential data from all full registration dossiers in the joint submission. For individual submissions a total tonnage is calculated if the submission is of a full registration dossier and the tonnage band is not requested confidential. The exact volume in which a substance is manufactured / imported by a specific registrant is always confidential.

2.1.1.11. REACH

2.1.1.11.1. Registration types

REACH allows to register a substance in different registration types:

1. **Full:** registration of a substance that is imported or manufactured per registrant in quantities over 1 ton per year.
2. **Intermediate:** registration of a substance that is manufactured for and consumed in or used for chemical processing in order to be transformed into another substance.
3. **NONS:** registrations that come from the previous Directive 67/548/EEC before REACH entered into force. On June 1st 2008 NONS was replaced by REACH and notification responsibilities under the NONS directive were repealed. Substances that were notified under NONS and have a recognised notification number were transferred into REACH and are regarded as already having been registered (at the relevant tonnage band).

REACH requires registrants of the same substance to share data and submit information jointly to ECHA:

1. **Joint submission:** When a substance is manufactured or imported by more than one company, these companies are required to submit certain information jointly. Joint submission applies to any substance to be registered, including on-site or transported isolated intermediates.
 - a. **Lead registrant:** a registrant submitting the joint registration dossier to ECHA on behalf of the other registrant(s) in the joint submission. This can include information such as the boundary composition of the substance, classification and labelling of the substance, uses, study summaries, endpoints on physico-chemical, environmental, toxicological and ecotoxicological data, and testing proposals.
 - b. **Member registrant:** all the registrants that join the joint submission created by the lead registrant and who shall submit the member dossiers to ECHA. This should include information about the identity of the company and the substance, the identified volumes of manufacture / import and can include additional information on their own uses of the substance and the exposure information (for substances between 1 to 5 tonnes).
2. **Individual submission:** all registrants that have submitted their registrations individually i.e. not as a members of a joint submission.

2.1.1.11.2. Indication arising from joint submissions

1. No indication implies that the data is provided by the lead registrant.
2. 'Opt-out' in brackets after a study indicates that the same data is provided by both the lead registrant and a joint submission member, and that the member has opted out for whatever reason.
3. The 'JS Member' followed by 'opt-out' in brackets after a study indicates that the data comes only from joint submission member(s), who have opted out from any data provided by the joint submission lead and have instead provided their own data.
4. 'JS member' in brackets indicates that the data comes only from joint submission member(s) who have provided their own data, for example in the section Guidance on safe use.

Ethanol BP

EC number: 200-578-6 | CAS number: 64-17-5

- General information
- Classification & Labelling & PBT assessment
- Manufacture, use & exposure
- Physical & Chemical properties
- Environmental fate & pathways
- Ecotoxicological information
- Toxicological information
- Analytical methods
- Guidance on safe use

Neurotoxicity

Currently viewing:

Administrative data	001 Supporting Experimental result
Justification for classification	002 Supporting Experimental result
	003 Supporting Experimental result
	004 Supporting Experimental result
	005 Supporting Experimental result
	006 Supporting Experimental result
	007 Supporting Experimental result
	008 Supporting Experimental result
	009 Supporting Experimental result
Administrative data	010 Supporting Experimental result (Opt-out)
	011 Supporting Experimental result (Opt-out)
	012 Supporting Experimental result (Opt-out)
	013 Supporting Experimental result (Opt-out)
	014 Supporting Experimental result (Opt-out)
	015 Supporting Experimental result (Opt-out)
	016 Supporting Experimental result (Opt-out)
	017 Supporting Experimental result (JS Member) (Opt-out)

Administrative data

Description of key value

Key value for chemical safety assessment

Effect on neurotoxicity: via inhalation route

Endpoint conclusion	
Endpoint conclusion:	adverse effect observed
Dose descriptor:	NOAEC
	19 000 mg/m ³
Study duration:	subchronic

Indications from joint submission: Data provided by the lead registrant and 'Opt-outs'

Ethanol BP

EC number: 200-578-6 | CAS number: 64-17-5

- General information
- Classification & Labelling & PBT assessment
- Manufacture, use & exposure
- Physical & Chemical properties
- Environmental fate & pathways
- Ecotoxicological information
- Toxicological information
- Analytical methods
- Guidance on safe use

Guidance on Safe Use

Currently viewing:

Administrative data	002 Guidance on safe use (JS Member)
Exposure controls / personal protection	003 Guidance on safe use (JS Member)
	004 Guidance on safe use (JS Member)
	005 Guidance on safe use (JS Member)
	006 Guidance on safe use (JS Member)
	007 Guidance on safe use (JS Member)
	008 Guidance on safe use (JS Member)
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	026 Guidance on safe use (JS Member)
	027 Guidance on safe use (JS Member)
	028 Guidance on safe use (JS Member)
	029 Guidance on safe use (JS Member)

Administrative data

First-aid measures

EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if they are present and continue flushing. Seek medical attention if irritation persists.

SKIN: Wash skin with plenty of water. Remove contaminated clothing and shoes. Wash thoroughly. Seek medical attention if irritation persists.

INGESTION: Do not induce vomiting. Rinse mouth. Give water to drink. Seek medical attention if symptoms persist.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

Fire-fighting measures

EXTINGUISHING MEDIA: Water spray, alcohol resistant foam, carbon dioxide, dry powder.

SPECIAL EXPOSURE PREVENTION: Avoid breathing vapours. Use appropriate respiratory protection.

PROTECTION FOR FIRE FIGHTERS: Wear full protective clothing. Avoid breathing vapours. Use appropriate respiratory protection.

ADDITIONAL INFORMATION: Be aware of possibility of re-ignition. This product gives off flammable vapours which may form explosive mixtures with air. Vapours with a source of ignition can create a flash fire, not a UVCE (Unconfined Vapour Cloud Explosion). Run off to sewer may cause fire or explosion hazard. Containers may explode in heat of fire. Use water to cool fire-exposed containers and to disperse vapour.

Indications from joint submission: Information provided only by JS members

2.1.1.12. Publication dates

1. **First published:** it refers to the first publication date of the REACH registered substance factsheet on the ECHA website.
2. **Last modified:** it refers to the last modification date of the REACH registered substance factsheet on the ECHA website.

2.1.1.13. Chemical safety assessment:

The Chemical safety assessment (CSA) ensures that the risks related to exposure to a substance, during its manufacture and use, are controlled when specific operational conditions (exposure scenario) and risk management measures are applied.

If a CSA was performed then an indication of this will be published in the REACH registered substance factsheet. Additional information on the parts contained in the chemical safety report (CSR) and the tool used to generate the CSA/CSR is published in the 'Assessment reports' section, unless claimed confidential. However, the chemical safety report itself is not published.

2.1.2. Compositions

The composition describes the identity of the substance at a compositional level. A composition may contain the identities of each constituent and the main impurities and additives, if relevant for hazard classification and labelling, and not claimed confidential.

2.1.2.1. Type of composition

The 'Type of composition' field allows registrants to indicate more precisely the nature of the composition they have provided:

1. **Legal entity composition:** it reflects the composition of the registered substance as manufactured or imported by the registrant.
2. **Boundary composition of the substance:** it refers to the technical reporting in the IUCLID technical dossier of all the compositions of the substance covered by the registration.
3. **Composition of the substance generated upon use:** it is a composition / form of the registered substance generated in the supply chain by processes other than manufacture such as purification or generation or nanoform from bulk form by mechanical process.
4. **Other:** a composition of any other type as provided by a registrant.

All non-confidential registered compositions submitted in REACH dossiers are published.

Please note: All non-confidential registered compositions from the above types 2-4 will only appear in dossiers submitted after 21st June 2016.

2.1.2.2. State and Form

The information on the physical state and form of the registered substance should be provided, in particular when the substance can exist in different states and forms, and then these may have an impact on the properties and classification of the substance. Where the substance covers different physical states or forms, a separate composition will be created for each of them. The information on state and form will be published.

2.1.2.3. Degree of purity

The degree of purity corresponds to the overall concentration range of the main constituents in the composition. The degree of purity needs to be provided and it will be published if the registrant indicates that at least one impurity or additive is essential to the classification and labelling of the substance (i.e. dangerous). However, the degree of purity will not be published if the registrant claimed it confidential.

2.1.2.4. Constituents

A constituent is any single species present in a substance that can be characterised by its unique chemical identity. A main constituent, not being an additive or impurity, is a constituent that makes up a significant part of that substance.

For legal entity compositions, the identity of each constituent will be published unless there is a confidentiality claim on the IUPAC name of the registered substance. However, for boundary compositions, compositions of the substance generated upon use and other composition types, the identity of each constituent will be published unless there is a constituent in the composition that is claimed confidential.

2.1.2.5. Impurities

Impurities are unintended constituents present in a substance as manufactured. It may, for example, originate from the starting materials or be the result of secondary or incomplete reactions during the production process.

Impurities that are relevant for the substance classification need to be indicated and will be published unless claimed confidential by the registrant.

2.1.2.6. Additives

Additives are the constituents which have been intentionally added during the manufacturing process to stabilise the substance.

Additives that are relevant for the substance classification need to be indicated and will be published unless claimed confidential by the registrant.

2.1.3. Registration data

2.1.3.1. Registrants / Suppliers of the substance


This section provides information on registrants or / and suppliers of a substance registered under REACH. Company names and locations are published as submitted in REACH registration dossiers.

1. **Active:** a registrant has indicated to ECHA that the registered substance is being manufactured and / or imported actively within the EU market.

In the case of a merge between two companies having a registration for the same substance, registration containing the higher tonnage band will be maintained as active, whereas the other registration as annulled. The annulled registration is still legally valid and considered as an active registration but is no longer updated.

2. **Inactive:** a registrant has indicated to ECHA that they have ceased manufacture and / or import of their registered substance.

Please note: when the registration status is revoked, the registration will still be published as active for a period of 90 days due to ongoing appeals, however when the appeal outcome is known, the registration will appear determined by the appeal decision. A registration can be revoked for different reasons (e.g. not paying a fee to ECHA or not performing a requested analysis or for breaching the 'one substance, one registration' principle).

Under the 'Registrants / Suppliers of the substance' section, ECHA compiles in tables information on the registrants by current status (e.g. active or not), adds a black dot feature (●) next to the name of those registrants that have updated their dossier at least once since registration, and displays a IUCLID symbol  under the year of the latest dossier update.

Formaldehyde

General information

Identification Compositions Registration data Administrative data Contact Persons responsible for the SDS

- Registrants / Suppliers - INACTIVE

Registrant / Supplier details	Latest dossier received											
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
Caldic Chemie Produktie B.V. Westerlaan 1 3016 CK Rotterdam Netherlands												
FARCOLL Fabbrica Resine Collanti via Lorenzo Perosi 40 15057 TORTONA (AL) PIEMONTE Italy												
● ECHIM PLC East Industrial Zone, Himkombinataka Str. 6403 Dimitrovgrad Plovdiv Bulgaria												
The Acta Group EU, Ltd (22) Brook House Suite 2B 64-72 Spring Gardens M2 2BQ Manchester United Kingdom												

Administrative data open all close all

+ Registration numbers - ACTIVE


+ Registration numbers - INACTIVE

+ Registration numbers - RETIRED

Contact Persons responsible for the SDS open all close all

+ Contact info

Information on Registered Substances comes from registration dossiers which have been assigned a registration number. The assignment of a registration number does however not guarantee that the information in the dossier is correct or that the dossier is compliant with Regulation (EC) No 1907/2006 (the REACH Regulation). This information has not been reviewed or verified by the Agency or any other authority. The content is subject to change without prior notice. Reproduction or further distribution of this information may be subject to copyright protection. Use of the information without obtaining the permission from the owner(s) of the respective information might violate the rights of the owner.

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EUROPEAN CHEMICALS AGENCY

Features in Registrant / Suppliers section

2.1.4. Administrative data

2.1.4.1. Registration number

The REACH registration number is assigned by ECHA to the registrant once the registration of a substance under the REACH Regulation is complete. The REACH registration number for each registrant is considered to be information contained in the SDS and will therefore be published in full unless claimed confidential. The registration number is published partially when the legal entity name is claimed confidential.

Administrative data

open all close all

- Registration numbers - ACTIVE

01-2120002101-88-0000

Registration number published completely

Administrative data

open all close all

- Registration numbers - ACTIVE

01-2119430456-42-XXXX

Registration number published partially

Administrative data

open all close all

- Registration numbers - ACTIVE

[Confidential]

Registration number claimed confidential

Please note: the REACH registration number can be communicated down the supply chain to avoid duplicate registration. However, substances without a registration number will not be allowed to be sold on the EU market.

1. **Active:** a registrant has indicated that the registered substance is being manufactured and / or imported within the EU market.
2. **Inactive:** a registrant has indicated they have ceased manufacture or import of their registered substance and / or a registration has been revoked.
3. **Retired:** Two registrants each with a registration for the same substance, have merged. As a result the registration for the lower tonnage is marked annulled, however, legally valid but no longer to be updated.

2.1.5. Contact persons responsible for the SDS

This section provides the contact details of the legal person (i.e. company name and address) identified as responsible for the safety data sheet. The information on this contact person is provided by a registrant and it is disseminated unless claimed confidential.

2.2. Classification and labelling and PBT assessment

Classification and labelling of hazardous chemicals is based on the Globally Harmonised System (GHS), agreed in the United Nations. All the information in this section will be published, except for the substance name if the IUPAC name of the registered substance, or one of the constituents in a related composition, has been claimed confidential. All the different classifications and labellings provided by registrants are published in the subsection GHS.

The same dissemination practice as for GHS applies also to information on Dangerous Substances Directive / Dangerous Products Directive (DSD – DPD). The Classification, Labelling and Packaging (CLP) Regulation has amended these directives, and is the only legislation in force in the EU for classification and labelling of substances and mixtures since 2015. All the old classifications and labellings provided by registrants under the previous Directive are published in the subsection DSD-DPD.

PBT substances are persistent, bioaccumulative and toxic, while vPvB substances are

characterised by a particular very high persistence in combination with a very high tendency to bioaccumulate, but not necessarily experimentally proven toxicity. A PBT/vPvB assessment is required for all substances for which a chemical safety assessment (CSA) must be conducted. The information on the PBT/vPvB assessment is considered to be information contained in the safety data sheet and is therefore published, unless claimed confidential. There might be exceptions in the publication of the reference substance attached to this endpoint study record. All summaries and studies provided by registrants are published in the subsection PBT.

2.3. Manufacture, use and exposure

The 'Manufacture, use and exposure' section is split into two subsections to capture the lifecycle stage of a substance and the uses advised against. The lifecycle stages are published in a structured way that they provide an indication of the type of organisations concerned by the use (e.g. formulators, industrial sites, small scale professional activities, consumers) and whether the substance is in an article during the use. Furthermore, each use of the substance has to be assigned to one of the lifecycle stages and is published as a separate record. Moreover, registrants are required to carry out an exposure assessment in the context of the Chemical Safety Assessment (CSA) and advise against the use for precautionary reasons.

Each use record contains fields for the related exposure scenario indicated as a tab connected to the relevant use. The exposure scenarios are the set of conditions, including operational conditions and risk management measures, that describe how the substance is manufactured or used during its lifecycle and how the manufacturer or importer controls, or recommends downstream users to control, exposures of humans and the environment.

The information on generic exposure potential is also incorporated into the lifecycle description. Information on uses and certain elements related to exposure scenarios are considered information contained in the SDS and it is only published where they have been submitted, unless claimed confidential. This information is present only from submissions where IUCLID 6 was used.

The exposure scenarios are published under contributing activity / technique repeatable blocks and are split into environment and workers / consumers uses. The exposure scenarios include the use descriptor of the relevant type, e.g. Process category (PROC), Environmental Release Category (ERC), Chemical Product category (PC), Article category (AC) and Sector of use (SU).

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Formaldehyde

EC number: 200-001-8 | CAS number: 50-00-0

- General information
- Classification & Labeling & PBT assessment
- Manufacture, use & exposure
- Physical & Chemical properties
- Environmental fate & pathways
- Ecotoxicological information
- Toxicological information
- Analytical methods
- Guidance on safe use
- Assessment reports
- Reference substances

Manufacture

Documents open all close all

- + Manufacturing of formaldehyde + aq. formaldehyde solutions
- + Manufacturing of Formaldehyde + aq. formaldehys solutions
- + Manufacturing of chemicals/resin/polymers
- Production of Chemical


Manufacture

- Contributing activity / technique for the environment
- Contributing activity / technique for workers

Process category (PROC): PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

- + Manufacturing of Formaldehyde + aq. formaldehys solutions under strictly controlled conditions
- + Manufacturing of Formaldehyde + aq. formaldehys solutions
- + Manufacturing of Formaldehyde + aq. formaldehys solutions
- + Manufacturing of chemicals / resins / polymers
- + Manufacturing of Formaldehyde + aq. formaldehys solutions
- + Manufacturing of chemicals/resins/polymers
- + Manufacturing of Formaldehyde + aq. formaldehys solutions
- + Manufacturing of formaldehyde
- + Manufacturing of Formaldehyde + aq. formaldehys solutions

Information on Registered Substances comes from registration dossiers which have been assigned a registration number. The assignment of a registration number does however not guarantee that the information in the dossier is correct or that the dossier is compliant with Regulation (EC) No 1907/2006 (the REACH Regulation). This information has not been reviewed or verified by the Agency or any other authority. The content is subject to change without prior notice. Reproduction or further distribution of this information may be subject to copyright protection. Use of the information without obtaining the permission from the owner(s) of the respective information might violate the rights of the owner.



Exposure scenarios labelling

2.4. Physical & Chemical properties, Environmental fate & pathways, Ecotoxicological and Toxicological information

Article 12(1) and Annex VI of REACH require to collect and include in the registration dossier all physico-chemical and environmental fate properties, as well as toxicity and ecotoxicity data of the substance. Data requirements depend on the tonnage level.

The information contained in each of these sections, i.e. Physical & Chemical properties, Environmental fate & pathways, Ecotoxicological and Toxicological information, is structured as in IUCLID dossiers and includes subsections equivalent to the IUCLID section tree.

Please note: there can be multiple set of results provided per subsection.

The endpoint study records provide information about a study carried out within the subject area defined by the title of the section (e.g. Short-term toxicity to fish). The endpoint study records within an endpoint are displayed in the following order:

1. Ordered by Adequacy of a study
 - a. Key study
 - b. Supporting study
 - c. Weight of evidence
 - d. Disregarded due to major methodological deficiencies
 - e. Other information
2. Ordered by Type of information
 - a. Experimental study
 - b. Experimental study planned
 - c. Experimental study planned (based on read-across)
 - d. (Q)SAR
 - e. Calculation (if not (Q)SAR)
 - f. Read across based on grouping of substances (category approach)
 - g. Read across from supporting substance (structural analogue or surrogate)
 - h. Not specified
 - i. Other

Fields referring to results will always be published as well as the test material and identity of transformation products with certain exceptions.

Fields referring to robust study summary data will be published if the endpoint study record is not claimed confidential. Robust study summary contains the objectives, methods, results and conclusions of a full study report. ECHA does not hold full study reports.

The endpoint summaries indicate the study results that are considered most relevant to perform a chemical safety assessment for a given endpoint. Information provided in the joint submission lead dossier, if available, is displayed before any information coming from joint submission member dossier(s). Information on endpoint summaries has been published from new and updated summaries from dossiers that were submitted after 20 June 2016. This information enables registrants to highlight key results in the profile of their substance. Furthermore, certain information on the key values for chemical assessment will always be published, even if the endpoint summary is claimed confidential. Additional information from endpoint summaries will be published if not claimed confidential. After the REACH registration deadline of 31 May 2018, any dossier which has not been updated will be reprocessed in order to publish this additional data.

2.5. Analytical methods

This information is requested in accordance with Annexes IX and X of REACH which make possible to detect a hazardous substance when discharged into the environment as well as to determine the direct exposure of humans.

2.6. Guidance on safe use

This section is published in its entirety and should be consistent with the information provided in the SDS.

Furthermore, the Guidance of safe use of the substance can be provided by the Lead registrant on behalf of all members, or separately on a voluntary basis by each member individually.

2.7. Assessment reports

If a chemical safety assessment (CSA) was performed then an indication of this will be published, including additional information on the parts contained in the chemical safety report (CSR) and the tool used to generate the CSA/CSR, unless claimed confidential. However, the chemical safety report itself will not be published.

2.8. Reference substances

The 'Reference substances' section contains the full non-confidential details of every substance relevant to the factsheet. This includes the registered substance itself, constituents, additives, impurities and test materials. Each is stored as a separate 'Reference substance' document, which records all the key information on the molecule such as chemical identifiers and structural information. In the factsheet this information is published if not claimed confidential. Note that if a reference substance is not listed in the EC inventory then the phrase 'No inventory information available' is displayed.

2.9. Categories

The 'Categories' section indicates the category(ies) in which the substance has been placed. A substance can belong to more than one category.

A category is an entity that allows a chemical category to be described within IUCLID 6. The category dataset will be included in registration dossier of the substance to be registered.

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Paraffin waxes and Hydrocarbon waxes

EC number: 232-315-6 CAS number: 8002-74-2
A complex combination of hydrocarbons obtained from petroleum fractions by solvent crystallization (solvent deoiling) or by the sweating process. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C20.

Categories

Currently viewing: CATEGORY 1
CATEGORY 2
CATEGORY 3

Category name: CONCAWE Paraffin and Hydrocarbon Waxes

Justifications and discussions

Category definition: see category justification document, sections 1.1, 1.2 & 1.3.
Category order description: see category justification document, section 1.4.
Category rationale: see category justification document, section 2.

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Categories

The 'Justification and discussions' subsection specifies the category definition, an order description and the rationale used for defining the chemical category.

1. **Category definition:** describe the molecular structure a substance must have to be included in the category, including criteria such as carbon chain length, functionality, chemical or metabolite equivalence considerations, etc., and list the specific substances covered.
2. **Category order description:** describe the order of the substance grouped in the category including a brief explanation, if the properties of the category members follow a certain pattern.
3. **Category rationale:** describe the rationale behind the category, including the category justification.

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