

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**  
Version: **3.0 en**  
Replaces version of: 2022-01-25  
Version: (2)

date of compilation: 2020-09-07  
Revision: 2024-03-02

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

|                                 |   |
|---------------------------------|---|
| Identification of the substance | <b>1,1,2,2-Tetrachloroethane D2 99,6 Atom%D</b> |
| Article number                  | CP96  |
| EC number                       | 251-634-1                                       |
| CAS number                      | 33685-54-0                                      |

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

|                           |  |
|---------------------------|--|
| Relevant identified uses: | Laboratory chemical<br>Laboratory and analytical use   |
| Uses advised against:     | Do not use for squirting or spraying. Do not use for products which come into contact with food-stuffs. Do not use for private purposes (household). Food, drink and animal feedingstuffs. |

### 1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co. KG  
Schoemperlenstr. 3-5  
D-76185 Karlsruhe  
Germany

**Telephone:** +49 (0) 721 - 56 06 0  
**Telefax:** +49 (0) 721 - 56 06 149  
**e-mail:** [sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)  
**Website:** [www.carlroth.de](http://www.carlroth.de)

Competent person responsible for the safety data sheet: Department Health, Safety and Environment

**e-mail (competent person):** [sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)

### 1.4 Emergency telephone number

| Name  | Street    | Postal code/city     | Telephone    | Website |
|---|-----------|----------------------|--------------|---------|
| National Poisons Information Service<br>City Hospital | Dudley Rd | B187QH<br>Birmingham | 844 892 0111 |         |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification acc. to GHS

| Section | Hazard class  | Cat-egory | Hazard class and category | Hazard statement |
|---------|---|-----------|---------------------------|------------------|
| 3.1D    | Acute toxicity (dermal)                               | 1         | Acute Tox. 1              | H310             |
| 3.1I    | Acute toxicity (inhal.)                               | 2         | Acute Tox. 2              | H330             |
| 4.1C    | Hazardous to the aquatic environment - chronic hazard | 2         | Aquatic Chronic 2         | H411             |

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

For full text of abbreviations: see SECTION 16

### The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

## 2.2 Label elements

### Labelling

#### Signal word

**Danger**

#### Pictograms

GHS06, GHS09



#### Hazard statements

H310+H330  
H411

Fatal in contact with skin or if inhaled  
Toxic to aquatic life with long lasting effects

#### Precautionary statements

##### Precautionary statements - prevention

P273 Avoid release to the environment  
P280 Wear protective gloves/eye protection

##### Precautionary statements - response

P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P310 Immediately call a POISON CENTER/doctor

##### Precautionary statements - storage

P405 Store locked up

## 2.3 Other hazards

### Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                   |                              |
|-------------------|------------------------------|
| Name of substance | 1,1,2,2-Tetrachloroethane D2 |
| Molecular formula | $C_2Cl_4D_2$                 |
| Molar mass        | 169,9 $g/mol$                |
| CAS No            | 33685-54-0                   |
| EC No             | 251-634-1                    |

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: CP96

| Substance, Specific Conc. Limits, M-factors, ATE |           |                         |                              |
|--|-----------|-------------------------|------------------------------|
| Specific Conc. Limits                            | M-Factors | ATE                     | Exposure route               |
| -  | -         | 5 mg/kg<br>>0,5 mg/l/4h | dermal<br>inhalation: vapour |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures



#### General notes

Take off immediately all contaminated clothing. Self-protection of the first aider.

#### Following inhalation

Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.

#### Following skin contact

After contact with skin, wash immediately with plenty of water.

#### Following eye contact

Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following ingestion

Rinse mouth. Call a doctor if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

Nausea, Vomiting, Dyspnoea, Cough, Irritation, Dizziness, Vertigo, Unconsciousness

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media



#### Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings!  
water spray, alcohol resistant foam, dry extinguishing powder, BC-powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

Combustible.

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: CP96

### Hazardous combustion products

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Hydrogen halides (HX)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus. Wear full chemical protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures



#### For non-emergency personnel

Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

### 6.3 Methods and material for containment and cleaning up

#### Advice on how to contain a spill

Covering of drains.

#### Advice on how to clean up a spill

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use extractor hood (laboratory). Handle and open container with care. Clear contaminated areas thoroughly.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Thorough skin-cleansing after handling the product.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

#### Incompatible substances or mixtures

Observe hints for combined storage.

#### Protect against external exposure, such as

heat, humidity, UV-radiation/sunlight, contact with air/oxygen

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

### Consideration of other advice:

Store locked up.

### Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted.

### Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

#### Occupational exposure limit values (Workplace Exposure Limits)

This information is not available.

### 8.2 Exposure controls

#### Individual protection measures (personal protective equipment)

##### Eye/face protection



Use safety goggles with side protection.

##### Skin protection



##### • hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The times are approximate values from measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by stretching can lead to a considerable reduction of the breakthrough time. If in doubt, contact manufacturer. At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved. The data apply only to the pure substance. When transferred to substance mixtures, they may only be considered as a guide.

##### • type of material

NBR (Nitrile rubber)

##### • material thickness

0,4 mm

##### • breakthrough times of the glove material

>480 minutes (permeation: level 6)

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



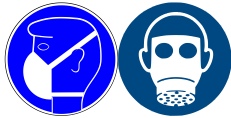
## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

### • other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

### Respiratory protection



Respiratory protection necessary at: Aerosol or mist formation. Type: A (against organic gases and vapours with a boiling point of > 65 °C , colour code: Brown).

### Environmental exposure controls

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |   |
|--|---|
| Physical state   | liquid  |
| Colour   | colourless  |
| Odour  | mild sweet  |
| Melting point/freezing point                             | -42,5 °C  |
| Boiling point or initial boiling point and boiling range | 146 °C  |
| Flammability   | this material is combustible, but will not ignite readily |
| Lower and upper explosion limit                          | not determined  |
| Flash point  | not determined  |
| Auto-ignition temperature                                | not determined  |
| Decomposition temperature                                | not relevant  |
| pH (value)   | not determined  |
| Kinematic viscosity                                      | not determined  |
| Dynamic viscosity  | 1,84 mPa s  |
| <u>Solubility(ies)</u>                                   |   |
| Water solubility   | 2,9 g/l at 20 °C  |
| <u>Partition coefficient</u>                             |   |
| Partition coefficient n-octanol/water (log value):       | 2,39 (exp.)   |
| Vapour pressure  | 6,6 hPa at 20 °C  |
| <u>Density and/or relative density</u>                   |   |
| Density  | 1,595 g/cm <sup>3</sup> at 20 °C                          |

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

|                                |  |
|--------------------------------|--|
| Relative vapour density        | Information on this property is not available. |
| Particle characteristics       | not relevant (liquid)                          |
| <u>Other safety parameters</u> |  |
| Oxidising properties           | none   |

### 9.2 Other information

|   |   |
|---|---|
| Information with regard to physical hazard classes: | hazard classes acc. to GHS (physical hazards): not relevant |
| Other safety characteristics:                       | There is no additional information.                         |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

Moisture-sensitive. May cause decomposition by long-term light influence.

### 10.3 Possibility of hazardous reactions

**Dangerous/dangerous reactions with:** strong oxidiser, Alkali (lye), Alkali metals, Alkaline earth metal, Metals

### 10.4 Conditions to avoid

UV-radiation/sunlight. Protect from moisture. Keep away from heat. Contact with air/oxygen.

### 10.5 Incompatible materials

aluminium, iron, copper, zinc

### 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification acc. to GHS

#### Acute toxicity

Fatal in contact with skin. Fatal if inhaled.

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

### **Carcinogenicity**

Shall not be classified as carcinogenic.

### **Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

### **Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

### **Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

### **Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

### **Symptoms related to the physical, chemical and toxicological characteristics**

#### **• If swallowed**

poisoning effect on central nervous system can cause convulsions, laboured breathing and loss of consciousness

#### **• If in eyes**

corneal opacity

#### **• If inhaled**

cough, pain, choking, and breathing difficulties, vertigo, dizziness, unconsciousness

#### **• If on skin**

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation)

#### **• Other information**

none

### **11.2 Endocrine disrupting properties**

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### **11.3 Information on other hazards**

There is no additional information.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Toxic to aquatic life with long lasting effects.

### **12.2 Persistence and degradability**

Theoretical Oxygen Demand:  $0,1884 \text{ mg/mg}$   
Theoretical Carbon Dioxide:  $0,5182 \text{ mg/mg}$

### **12.3 Bioaccumulative potential**

Does not significantly accumulate in organisms.

|                           |             |
|---------------------------|-------------|
| n-octanol/water (log KOW) | 2,39 (Exp.) |
|---------------------------|-------------|

### **12.4 Mobility in soil**

Data are not available.



# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

### 13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### Properties of waste which render it hazardous

**HP 6** acute toxicity

**HP 14** ecotoxic

### 13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADRRID UN 1702

IMDG-Code UN 1702

ICAO-TI UN 1702

### 14.2 UN proper shipping name

ADRRID 1,1,2,2-TETRACHLOROETHANE

IMDG-Code 1,1,2,2-TETRACHLOROETHANE

ICAO-TI 1,1,2,2-Tetrachloroethane

### 14.3 Transport hazard class(es)

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)




## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

|  |                                      |
|--|--------------------------------------|
| ADRRID   | 6.1                                  |
| IMDG-Code  | 6.1                                  |
| ICAO-TI  | 6.1                                  |
| <b>14.4 Packing group</b>  |                                      |
| ADRRID   | II                                   |
| IMDG-Code  | II                                   |
| ICAO-TI  | II                                   |
| <b>14.5 Environmental hazards</b>  | hazardous to the aquatic environment |
| <b>14.6 Special precautions for user</b>                                     |                                      |
| Provisions for dangerous goods (ADR) should be complied within the premises. |                                      |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b>          |                                      |
| The cargo is not intended to be carried in bulk.                             |                                      |

### 14.8 Information for each of the UN Model Regulations

#### Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) Additional information

|   |  |
|---|--|
| Proper shipping name  | 1,1,2,2-TETRACHLOROETHANE  |
| Particulars in the transport document   | UN1702, 1,1,2,2-TETRACHLOROETHANE, 6.1, II, (D/E), environmentally hazardous |
| Classification code   | T1   |
| Danger label(s)   | 6.1, "Fish and tree"   |
|  |  |
| Environmental hazards   | yes (hazardous to the aquatic environment)                                   |
| Special provisions (SP)   | 802(ADN)   |
| Excepted quantities (EQ)  | E4   |
| Limited quantities (LQ)   | 100 ml   |
| Transport category (TC)   | 2  |
| Tunnel restriction code (TRC)   | D/E  |
| Hazard identification No  | 60   |
| <b>Emergency Action Code</b>  | 2X   |

#### Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) Additional information

|   |                           |
|---|---------------------------|
| <b>Classification code</b>  | T1                        |
| <b>Danger label(s)</b>  | 6.1, "Fish and tree"      |
|  |                           |
| <b>Environmental hazards</b>  | Yes<br>Hazardous to water |



# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

|   |  |
|---|--|
| <b>Special provisions (SP)</b>  | 802(ADN)   |
| <b>Excepted quantities (EQ)</b>   | E4   |
| <b>Limited quantities (LQ)</b>  | 100 ml   |
| <b>Transport category (TC)</b>  | 2  |
| <b>Hazard identification No</b>   | 60   |
| <b>International Maritime Dangerous Goods Code (IMDG) - Additional information</b>        |  |
| Proper shipping name  | 1,1,2,2-TETRACHLOROETHANE                                    |
| Particulars in the shipper's declaration  | UN1702, 1,1,2,2-TETRACHLOROETHANE, 6.1, II, MARINE POLLUTANT |
| Marine pollutant  | yes (P) (hazardous to the aquatic environment)               |
| Danger label(s)   | 6.1, "Fish and tree"   |
|          |  |
| Special provisions (SP)   | -  |
| Excepted quantities (EQ)  | E4   |
| Limited quantities (LQ)   | 100 mL   |
| EmS   | F-A, S-A   |
| Stowage category  | A  |
| Segregation group   | 10 - Liquid halogenated hydrocarbons                         |
| <b>International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information</b> |  |
| Proper shipping name  | 1,1,2,2-Tetrachloroethane                                    |
| Particulars in the shipper's declaration  | UN1702, 1,1,2,2-Tetrachloroethane, 6.1, II                   |
| Environmental hazards   | yes (hazardous to the aquatic environment)                   |
| Danger label(s)   | 6.1  |
|        |  |
| Excepted quantities (EQ)  | E4   |
| Limited quantities (LQ)   | 1 L  |

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Relevant provisions of the European Union (EU)

#### Seveso Directive

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: CP96

### 2012/18/EU (Seveso III)

| No | Dangerous substance/hazard categories | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements |    | Notes |
|----|---------------------------------------|---|----|-------|
| H1 | acute toxic (cat. 1)                  | 5   | 20 | 40)   |

#### Notation

40) Category 1, all exposure routes

### Deco-Paint Directive

|             |           |
|-------------|-----------|
| VOC content | 100 %     |
| VOC content | 1.595 g/l |

### Industrial Emissions Directive (IED)

|             |           |
|-------------|-----------|
| VOC content | 100 %     |
| VOC content | 1.595 g/l |

### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

not listed

### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

### Water Framework Directive (WFD)

#### List of pollutants (WFD)

| Name of substance            | Name acc. to inventory  | CAS No | Listed in | Remarks |
|------------------------------|---|--------|-----------|---------|
| 1,1,2,2-Tetrachloroethane D2 | Organohalogen compounds and substances which may form such compounds in the aquatic environment   |        | a)        |         |
| 1,1,2,2-Tetrachloroethane D2 | Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment |        | a)        |         |

#### Legend

a) Indicative list of the main pollutants

### Regulation on the marketing and use of explosives precursors

not listed

### Regulation on drug precursors

not listed

### Regulation on substances that deplete the ozone layer (ODS)

not listed

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

### Regulation concerning the export and import of hazardous chemicals (PIC)

chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

| Name of substance            | Name acc. to inventory    | CAS No  | Wt% | Category / subcategory | Use limitation |
|------------------------------|---------------------------|---------|-----|------------------------|----------------|
| 1,1,2,2-Tetrachloroethane D2 | 1,1,2,2-tetrachloroethane | 79-34-5 | 100 | i(2)                   | sr             |

#### Legend

i(2) Sub-category: i(2) - industrial chemical for public use  
sr Use limitation: severe restriction (for the sub-category or sub-categories concerned) according to Union legislation

### Regulation on persistent organic pollutants (POP)

not listed

### National regulations(GB)

#### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

not listed

### Restrictions according to GB REACH, Annex 17

| Dangerous substances with restrictions (GB REACH, Annex 17) |  |         |    |
|---|--|---------|----|
| Name of substance   | Name acc. to inventory   | CAS No  | No |
| 1,1,2,2-Tetrachloroethane D2                                | 1,1,2,2-Tetrachloroethane  | 79-34-5 | 35 |
| 1,1,2,2-Tetrachloroethane D2                                | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC |         | 3  |

### Other information

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

### National inventories

| Country | Inventory | Status              |
|---------|-----------|---------------------|
| EU      | ECSI      | substance is listed |
| KR      | KECI      | substance is listed |
| NZ      | NZIoC     | substance is listed |
| TW      | TCSI      | substance is listed |

#### Legend

ECSI EC Substance Inventory (EINECS, ELINCS, NLP)  
KECI Korea Existing Chemicals Inventory  
NZIoC New Zealand Inventory of Chemicals  
TCSI Taiwan Chemical Substance Inventory

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: CP96

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)  | Actual entry (text/value)   | Safety-relevant |
|---------|--|---|-----------------|
| 2.2     | Labelling of packages where the contents do not exceed 125 ml:<br>Signal word: Danger                |   | yes             |
| 2.2     |  | Labelling of packages where the contents do not exceed 125 ml:<br>change in the listing (table)                       | yes             |
| 2.2     |  | Labelling of packages where the contents do not exceed 125 ml:<br>change in the listing (table)                       | yes             |
| 2.2     |  | Labelling of packages where the contents do not exceed 125 ml:<br>change in the listing (table)                       | yes             |
| 2.3     |  | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$ . | yes             |
| 14.8    |  | Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)Additional information              | yes             |
| 14.8    |  | Classification code:<br>T1  | yes             |
| 14.8    |  | Danger label(s):<br>6.1, "Fish and tree"  | yes             |
| 14.8    |  | Danger label(s):<br>change in the listing (table)   | yes             |
| 14.8    |  | Environmental hazards:<br>Yes<br>Hazardous to water   | yes             |
| 14.8    |  | Special provisions (SP):<br>802(ADN)  | yes             |
| 14.8    |  | Excepted quantities (EQ):<br>E4   | yes             |
| 14.8    |  | Limited quantities (LQ):<br>100 ml  | yes             |
| 14.8    |  | Transport category (TC):<br>2   | yes             |
| 14.8    |  | Hazard identification No:<br>60   | yes             |
| 15.1    | Restrictions according to REACH, Annex XVII  |   | yes             |
| 15.1    |  | Dangerous substances with restrictions (REACH, Annex XVII):<br>change in the listing (table)                          | yes             |
| 15.1    | List of substances subject to authorisation (REACH, Annex XIV)/SVHC - candidate list:<br>Not listed. |   | yes             |

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

| Section | Former entry (text/value)            | Actual entry (text/value)   | Safety-relevant |
|---------|--------------------------------------|---|-----------------|
| 15.1    | VOC content:<br>100 %<br>, 1.595 g/l | VOC content:<br>100 %   | yes             |
| 15.1    |                                      | VOC content:<br>1.595 g/l   | yes             |
| 15.1    |                                      | List of pollutants (WFD):<br>change in the listing (table)  | yes             |
| 15.1    |                                      | Regulation concerning the export and import of<br>hazardous chemicals (PIC):<br>change in the listing (table) | yes             |
| 15.1    |                                      | National regulations(GB)  | yes             |
| 15.1    |                                      | List of substances subject to authorisation (GB<br>REACH, Annex 14) / SVHC - candidate list:<br>not listed    | yes             |
| 15.1    |                                      | Restrictions according to GB REACH, Annex 17  | yes             |
| 15.1    |                                      | Dangerous substances with restrictions (GB<br>REACH, Annex 17):<br>change in the listing (table)              | yes             |
| 15.1    |                                      | National inventories:<br>change in the listing (table)  | yes             |

### Abbreviations and acronyms

| Abbr.    | Descriptions of used abbreviations  |
|----------|---|
| ADR      | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                     |
| ATE      | Acute Toxicity Estimate   |
| CAS      | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| DGR      | Dangerous Goods Regulations (see IATA/DGR)  |
| EC No    | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| ED       | Endocrine disruptor   |
| EINECS   | European Inventory of Existing Commercial Chemical Substances   |
| ELINCS   | European List of Notified Chemical Substances   |
| EmS      | Emergency Schedule  |
| GB REACH | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)  |
| GHS      | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations   |
| IATA     | International Air Transport Association   |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO     | International Civil Aviation Organization   |
| ICAO-TI  | Technical instructions for the safe transport of dangerous goods by air   |
| IMDG     | International Maritime Dangerous Goods Code   |

# Safety data sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



## 1,1,2,2-Tetrachloroethane D2 99,6 Atom%D

article number: **CP96**

| Abbr.     | Descriptions of used abbreviations  |
|-----------|---|
| IMDG-Code | International Maritime Dangerous Goods Code   |
| NLP       | No-Longer Polymer   |
| PBT       | Persistent, Bioaccumulative and Toxic   |
| REACH     | Registration, Evaluation, Authorisation and Restriction of Chemicals  |
| RID       | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| VOC       | Volatile Organic Compounds  |
| vPvB      | Very Persistent and very Bioaccumulative  |

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text   |
|------|--|
| H310 | Fatal in contact with skin.                      |
| H330 | Fatal if inhaled.                                |
| H411 | Toxic to aquatic life with long lasting effects. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.