

25.08.2026

### Kit Components

| Product code | Description |
|--------------|-------------|
|--------------|-------------|

|                       |                               |
|-----------------------|-------------------------------|
| <b>CY78-CY79-G7Tx</b> | <b>Standardlösung CY78/79</b> |
|-----------------------|-------------------------------|

Components:

|          |                                             |
|----------|---------------------------------------------|
| 71743854 | Benzoquinone C-100mg/L CY78-G7T*; CY79-G7T* |
| 71743856 | Sucrose C-100mg/L CY78-G7T*; CY79-G7T*      |

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

### 1.1 Product identifier

Trade name: **Benzoquinone C-100mg/L**

Synonym: CY78-G7T\*; CY79-G7T\*

Article number: 71743854

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

*No further relevant information available.*

Application of the substance / the mixture *Laboratory chemicals*

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

**Manufacturer/Supplier:**

Endress+Hauser

Conducta GmbH+Co. KG

Dieselstraße 24

D-70839 Gerlingen

**Further information obtainable from:**

Phone: +49 (0)7156 209-10117

E-Mail: MSDS.PCC@endress.com

### 1.4 Emergency telephone number: 0091-26589391

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

*The product is not classified, according to the CLP regulation.*

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** *Void*

**Hazard pictograms** *Void*

**Signal word** *Void*

**Hazard statements** *Void*

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:**

*This substance/mixture does not contain any components in concentrations of 0.1% or higher that are classified as persistent, bioaccumulative, and toxic.*

**vPvB:**

*This substance/mixture does not contain any components in concentrations of 0.1% or higher that are classified as persistent, bioaccumulative, and toxic.*

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

**Description:** *Mixture of substances listed below with nonhazardous additions.*

**Dangerous components:** *Void*

**Additional information:** *For the wording of the listed hazard phrases refer to section 16.*

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** *No special measures required.*

**After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

**After skin contact:** *Generally the product does not irritate the skin.*

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**Trade name: Benzoquinone C-100mg/L**

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**After eye contact:** *Rinse opened eye for several minutes under running water.*

**After swallowing:** *If symptoms persist consult doctor.*

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

*No further relevant information available.*

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

*No further relevant information available.*

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## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*

**For safety reasons unsuitable extinguishing agents:** *no further information*

**5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*

**5.3 Advice for firefighters** *No further relevant information available.*

**Protective equipment:** *No special measures required.*

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## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.*

**6.2 Environmental precautions:** *Dilute with plenty of water.*

**6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

**6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

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## SECTION 7: Handling and storage

**7.1 Precautions for safe handling** *No special measures required.*

**Information about fire - and explosion protection:** *No special measures required.*

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** *No special requirements.*

**Information about storage in one common storage facility:** *Not required.*

**Further information about storage conditions:** *None.*

**Storage class:** *12*

**7.3 Specific end use(s)** *No further relevant information available.*

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## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

**Additional information:** *The lists valid during the making were used as basis.*

**8.2 Exposure controls**

**Appropriate engineering controls** *No further data; see section 7.*

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

**Respiratory protection:** *Not required.*

**Hand protection** *No chemical-protective gloves required.*

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**Trade name: Benzoquinone C-100mg/L**

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**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eyeface protection** Not required.

**Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

|                                                          |                                    |
|----------------------------------------------------------|------------------------------------|
| Physical state                                           | Liquid                             |
| Colour:                                                  | According to product specification |
| Odour:                                                   | Odourless                          |
| Odour threshold:                                         | Not determined.                    |
| Melting point/freezing point:                            | Undetermined.                      |
| Boiling point or initial boiling point and boiling range | 100 °C (CAS: 7732-18-5 water)      |
| Flammability                                             | Not applicable.                    |
| Lower and upper explosion limit                          |                                    |
| Lower:                                                   | Not determined.                    |
| Upper:                                                   | Not determined.                    |
| Flash point:                                             | Not applicable.                    |
| pH                                                       | Not determined.                    |
| Viscosity:                                               |                                    |
| Kinematic viscosity                                      | Not determined.                    |
| Dynamic:                                                 | Not determined.                    |
| Solubility                                               |                                    |
| water:                                                   | Fully miscible.                    |
| Partition coefficient n-octanol/water (log value)        | Not determined.                    |
| Vapour pressure at 20 °C:                                | 23 hPa (CAS: 7732-18-5 water)      |
| Density and/or relative density                          |                                    |
| Density at 20 °C:                                        | 1 g/cm <sup>3</sup>                |
| Relative density                                         | Not determined.                    |
| Vapour density                                           | Not determined.                    |

**9.2 Other information**

|                                                                               |                                                                  |
|-------------------------------------------------------------------------------|------------------------------------------------------------------|
| Appearance:                                                                   |                                                                  |
| Form:                                                                         | Fluid                                                            |
| Important information on protection of health and environment, and on safety. |                                                                  |
| Ignition temperature:                                                         | Product is not selfigniting.                                     |
| Explosive properties:                                                         | Product does not present an explosion hazard.<br>Not determined. |
| Solvent content:                                                              |                                                                  |
| Water:                                                                        | 100.0 %                                                          |
| Solids content:                                                               | 0.0 %                                                            |
| Change in condition                                                           |                                                                  |
| Evaporation rate                                                              | Not determined.                                                  |

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Trade name: Benzoquinone C-100mg/L

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Information with regard to physical hazard  
classes

Void

**SECTION 10: Stability and reactivity****10.1 Reactivity** *No further relevant information available.***10.2 Chemical stability****Thermal decomposition / conditions to be avoided:***No decomposition if used according to specifications.***10.3 Possibility of hazardous reactions** *No dangerous reactions known.***10.4 Conditions to avoid** *No further relevant information available.***10.5 Incompatible materials:** *No further relevant information available.***10.6 Hazardous decomposition products:** *No dangerous decomposition products known.***SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** *Based on available data, the classification criteria are not met.***Primary irritant effect:****Skin corrosion/irritation** *Based on available data, the classification criteria are not met.***Serious eye damage/irritation** *Based on available data, the classification criteria are not met.***Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.***Germ cell mutagenicity** *Based on available data, the classification criteria are not met.***Carcinogenicity** *Based on available data, the classification criteria are not met.***Reproductive toxicity** *Based on available data, the classification criteria are not met.***STOT-single exposure** *Based on available data, the classification criteria are not met.***STOT-repeated exposure** *Based on available data, the classification criteria are not met.***Aspiration hazard** *Based on available data, the classification criteria are not met.***11.2 Information on other hazards****Endocrine disrupting properties***None of the ingredients is listed.***SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** *No further relevant information available.***12.2 Persistence and degradability** *No further relevant information available.***12.3 Bioaccumulative potential** *No further relevant information available.***12.4 Mobility in soil** *No further relevant information available.***12.5 Results of PBT and vPvB assessment****PBT:** *Not applicable.***vPvB:** *Not applicable.***12.6 Endocrine disrupting properties***The product does not contain substances with endocrine disrupting properties.***12.7 Other adverse effects****Additional ecological information:****General notes:** *Not hazardous for water.***SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** *Smaller quantities can be disposed of with household waste.***Uncleaned packaging:****Recommendation:** *Disposal must be made according to official regulations.*

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**Trade name: Benzoquinone C-100mg/L**

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**Recommended cleansing agents:** *Water, if necessary together with cleansing agents.***SECTION 14: Transport information****14.1 UN number or ID number**

IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Marine pollutant:

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances - ANNEX I *None of the ingredients is listed.***15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***\* SECTION 16: Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***16.3 Recommended restriction of use**

Department issuing SDS: PCC-TWR

Contact: [MSDS.pcc@endress.com](mailto:MSDS.pcc@endress.com)**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**

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

### 1.1 Product identifier

Trade name: **Sucrose C-100mg/L**

Synonym: CY78-G7T\*; CY79-G7T\*

Article number: 71743856

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

*No further relevant information available.*

Application of the substance / the mixture *Laboratory chemicals*

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

**Manufacturer/Supplier:**

Endress+Hauser

Conducta GmbH+Co. KG

Dieselstraße 24

D-70839 Gerlingen

**Further information obtainable from:**

Phone: +49 (0)7156 209-10117

E-Mail: MSDS.PCC@endress.com

### 1.4 Emergency telephone number: 0091-26589391

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

*The product is not classified, according to the CLP regulation.*

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008** *Void*

**Hazard pictograms** *Void*

**Signal word** *Void*

**Hazard statements** *Void*

### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:**

*This substance/mixture does not contain any components in concentrations of 0.1% or higher that are classified as persistent, bioaccumulative, and toxic.*

**vPvB:**

*This substance/mixture does not contain any components in concentrations of 0.1% or higher that are classified as persistent, bioaccumulative, and toxic.*

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

**Description:** *Mixture of substances listed below with nonhazardous additions.*

**Dangerous components:** *Void*

**Additional information:** *For the wording of the listed hazard phrases refer to section 16.*

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** *No special measures required.*

**After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

**After skin contact:** *Generally the product does not irritate the skin.*

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**Trade name: Sucrose C-100mg/L**

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**After eye contact:** *Rinse opened eye for several minutes under running water.*

**After swallowing:** *If symptoms persist consult doctor.*

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

*No further relevant information available.*

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

*No further relevant information available.*

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## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*

**For safety reasons unsuitable extinguishing agents:** *no further information*

**5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*

**5.3 Advice for firefighters** *No further relevant information available.*

**Protective equipment:** *No special measures required.*

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## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.*

**6.2 Environmental precautions:** *Dilute with plenty of water.*

**6.3 Methods and material for containment and cleaning up:**

*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).*

**6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

*See Section 8 for information on personal protection equipment.*

*See Section 13 for disposal information.*

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## SECTION 7: Handling and storage

**7.1 Precautions for safe handling** *No special measures required.*

**Information about fire - and explosion protection:** *No special measures required.*

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

**Storage:**

**Requirements to be met by storerooms and receptacles:** *No special requirements.*

**Information about storage in one common storage facility:** *Not required.*

**Further information about storage conditions:** *None.*

**Storage class:** *12*

**7.3 Specific end use(s)** *No further relevant information available.*

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## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

*The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*

**Additional information:** *The lists valid during the making were used as basis.*

**8.2 Exposure controls**

**Appropriate engineering controls** *No further data; see section 7.*

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

**Respiratory protection:** *Not required.*

**Hand protection** *No chemical-protective gloves required.*

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**Trade name: Sucrose C-100mg/L**

(Contd. of page 2)

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eyeface protection** Not required.

**Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

|                                                          |                                    |
|----------------------------------------------------------|------------------------------------|
| Physical state                                           | Liquid                             |
| Colour:                                                  | According to product specification |
| Odour:                                                   | Odourless                          |
| Odour threshold:                                         | Not determined.                    |
| Melting point/freezing point:                            | Undetermined.                      |
| Boiling point or initial boiling point and boiling range | 100 °C (CAS: 7732-18-5 water)      |
| Flammability                                             | Not applicable.                    |
| Lower and upper explosion limit                          |                                    |
| Lower:                                                   | Not determined.                    |
| Upper:                                                   | Not determined.                    |
| Flash point:                                             | Not applicable.                    |
| pH                                                       | Not determined.                    |
| Viscosity:                                               |                                    |
| Kinematic viscosity                                      | Not determined.                    |
| Dynamic:                                                 | Not determined.                    |
| Solubility                                               |                                    |
| water:                                                   | Fully miscible.                    |
| Partition coefficient n-octanol/water (log value)        | Not determined.                    |
| Vapour pressure at 20 °C:                                | 23 hPa (CAS: 7732-18-5 water)      |
| Density and/or relative density                          |                                    |
| Density at 20 °C:                                        | 1 g/cm <sup>3</sup>                |
| Relative density                                         | Not determined.                    |
| Vapour density                                           | Not determined.                    |

**9.2 Other information**

|                                                                               |                                                                  |
|-------------------------------------------------------------------------------|------------------------------------------------------------------|
| Appearance:                                                                   |                                                                  |
| Form:                                                                         | Fluid                                                            |
| Important information on protection of health and environment, and on safety. |                                                                  |
| Ignition temperature:                                                         | Product is not selfigniting.                                     |
| Explosive properties:                                                         | Product does not present an explosion hazard.<br>Not determined. |
| Solvent content:                                                              |                                                                  |
| Water:                                                                        | 100.0 %                                                          |
| Solids content:                                                               | 0.0 %                                                            |
| Change in condition                                                           |                                                                  |
| Evaporation rate                                                              | Not determined.                                                  |

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Trade name: Sucrose C-100mg/L

(Contd. of page 3)

Information with regard to physical hazard  
classes

Void

**SECTION 10: Stability and reactivity****10.1 Reactivity** *No further relevant information available.***10.2 Chemical stability****Thermal decomposition / conditions to be avoided:***No decomposition if used according to specifications.***10.3 Possibility of hazardous reactions** *No dangerous reactions known.***10.4 Conditions to avoid** *No further relevant information available.***10.5 Incompatible materials:** *No further relevant information available.***10.6 Hazardous decomposition products:** *No dangerous decomposition products known.***SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** *Based on available data, the classification criteria are not met.***Primary irritant effect:****Skin corrosion/irritation** *Based on available data, the classification criteria are not met.***Serious eye damage/irritation** *Based on available data, the classification criteria are not met.***Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.***Germ cell mutagenicity** *Based on available data, the classification criteria are not met.***Carcinogenicity** *Based on available data, the classification criteria are not met.***Reproductive toxicity** *Based on available data, the classification criteria are not met.***STOT-single exposure** *Based on available data, the classification criteria are not met.***STOT-repeated exposure** *Based on available data, the classification criteria are not met.***Aspiration hazard** *Based on available data, the classification criteria are not met.***11.2 Information on other hazards****Endocrine disrupting properties***None of the ingredients is listed.***SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** *No further relevant information available.***12.2 Persistence and degradability** *No further relevant information available.***12.3 Bioaccumulative potential** *No further relevant information available.***12.4 Mobility in soil** *No further relevant information available.***12.5 Results of PBT and vPvB assessment****PBT:** *Not applicable.***vPvB:** *Not applicable.***12.6 Endocrine disrupting properties***The product does not contain substances with endocrine disrupting properties.***12.7 Other adverse effects****Additional ecological information:****General notes:** *Not hazardous for water.***SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** *Smaller quantities can be disposed of with household waste.***Uncleaned packaging:****Recommendation:** *Disposal must be made according to official regulations.*

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**Trade name: Sucrose C-100mg/L**

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**Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

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**SECTION 14: Transport information****14.1 UN number or ID number**

IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Marine pollutant:

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances - ANNEX I *None of the ingredients is listed.***15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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**\* SECTION 16: Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***16.3 Recommended restriction of use**

Department issuing SDS: PCC-TWR

Contact: [MSDS.pcc@endress.com](mailto:MSDS.pcc@endress.com)**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**\* Data compared to the previous version altered.**

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