

25.08.2026

Kit Components

Product code	Description
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CY78-CY79-G7Tx	Standardlösung CY78/79
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Components:

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

1 Identifikasi Senyawa (Tunggal atau Campuran)

Product identifier

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

Synonym: CY78-G7T*; CY79-G7T*

Article number: 71743854

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*

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

Emergency telephone number: +62 813 1082 6879 (24 hrs, Jakarta, Indonesien)

2 Identifikasi Bahaya

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

GHS label elements *Void*

Hazard pictograms *Void*

Signal word *Void*

Hazard statements *Void*

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.

3 Komposisi /Informasi tentang Bahan Penyusun Senyawa Tunggal

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 106-51-4	p-benzoquinone	<0.1%
	Acute Tox. 3, H301; Acute Tox. 3, H331;  Aquatic Acute 1, H400 (M=10);  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

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

4 Tindakan Pertolongan Pertama pada Kecelakaan

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.

(Contd. on page 2)

Trade name: Benzoquinone C-100mg/L

(Contd. of page 1)

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

After swallowing: *If symptoms persist consult doctor.*

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Tindakan pemadaman kebakaran

Extinguishing media

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

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

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

Advice for firefighters *No further relevant information available.*

Protective equipment: *No special measures required.*

6 Tindakan Penanggulangan jika terjadi Tumpahan dan Kebocoran

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

Environmental precautions: *Dilute with plenty of water.*

Methods and material for containment and cleaning up:

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

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.

7 Penanganan dan Penyimpanan

Precautions for safe handling *No special measures required.*

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

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*

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

8 Kontrol Paparan/ Perlindungan Diri

Additional information about design of technical facilities: *No further data; see section 7.*

Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 106-51-4 p-benzoquinone

NAB Long-term value: 0.1 ppm

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

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

Respiratory protection: *Not required.*

(Contd. on page 3)

Trade name: Benzoquinone C-100mg/L

(Contd. of page 2)

Protection of hands: *No chemical-protective gloves required.*
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.

Eye protection: *Not required.*
Body protection: *Protective work clothing*

9 Sifat fisika dan kimia

Information on basic physical and chemical properties
General Information
Appearance:

Form:	<i>Fluid</i>
Colour:	<i>According to product specification</i>
Odour:	<i>Odourless</i>
Odour threshold:	<i>Not determined.</i>
pH-value:	<i>Not determined.</i>

Change in condition

Melting point/freezing point:	<i>Undetermined.</i>
Initial boiling point and boiling range:	<i>100 °C (CAS: 7732-18-5 water)</i>

Flash point: *Not applicable.*
Flammability *Not applicable.*
Ignition temperature: *Product is not selfigniting.*
Explosive properties: *Product does not present an explosion hazard.
Not determined.*
Explosion limits:

Lower:	<i>Not determined.</i>
Upper:	<i>Not determined.</i>

Vapour pressure at 20 °C: *23 hPa (CAS: 7732-18-5 water)*

Density at 20 °C:	<i>1 g/cm³</i>
Relative density	<i>Not determined.</i>
Vapour density	<i>Not determined.</i>
Evaporation rate	<i>Not determined.</i>

Solubility in / Miscibility with water:
Fully miscible.
Partition coefficient: n-octanol/water: *Not determined.*
Viscosity:

Dynamic:	<i>Not determined.</i>
Kinematic:	<i>Not determined.</i>

Solvent content:

Water:	<i>100.0 %</i>
Solids content:	<i>0.0 %</i>

(Contd. on page 4)

Trade name: Benzoquinone C-100mg/L

(Contd. of page 3)

Other information
No further relevant information available.

10 Stabilitas dan Reaktivitas

Reactivity *No further relevant information available.*
Chemical stability
Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
Possibility of hazardous reactions *No dangerous reactions known.*
Conditions to avoid *No further relevant information available.*
Incompatible materials: *No further relevant information available.*
Hazardous decomposition products: *No dangerous decomposition products known.*

11 Informasi Toksikologi

Information on toxicological effects
Acute toxicity
LD/LC50 values relevant for classification:
CAS: 106-51-4 p-benzoquinone

Oral	LD50	130 mg/kg (rat)
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Primary irritant effect:
Skin corrosion/irritation *No irritant effect.*
Serious eye damage/irritation *No irritating effect.*
Respiratory or skin sensitisation *No sensitising effects known.*
Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Informasi Ekologi

Toxicity
Aquatic toxicity: *No further relevant information available.*
Persistence and degradability *No further relevant information available.*
Behaviour in environmental systems:
Bioaccumulative potential *No further relevant information available.*
Mobility in soil *No further relevant information available.*
Additional ecological information:
General notes: *Not hazardous for water.*
Results of PBT and vPvB assessment
PBT: *Not applicable.*
vPvB: *Not applicable.*
Other adverse effects *No further relevant information available.*

13 Pembuangan Limbah

Waste treatment methods
Recommendation *Smaller quantities can be disposed of with household waste.*
Uncleaned packaging:
Recommendation: *Disposal must be made according to official regulations.*
Recommended cleansing agents: *Water, if necessary together with cleansing agents.*

(Contd. on page 5)

IDN

Trade name: Benzoquinone C-100mg/L

(Contd. of page 4)

14 Informasi Transpor/Pengangkutan

UN-Number	
IMDG, IATA	Void
UN proper shipping name	
ADR, IMDG, IATA	Void
Transport hazard class(es)	
ADR, ADN, IMDG, IATA	
Class	Void
Packing group	
ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

15 Informasi yang Berkaitan dengan Regulasi

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.*

Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

*16 Informasi Lain

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.

Relevant phrases

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Department issuing SDS: *PCC-TWR*

Contact: *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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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

1 Identifikasi Senyawa (Tunggal atau Campuran)

Product identifier

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

Synonym: CY78-G7T*; CY79-G7T*

Article number: 71743856

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*

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

Emergency telephone number: +62 813 1082 6879 (24 hrs, Jakarta, Indonesien)

2 Identifikasi Bahaya

Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

Label elements

GHS label elements *Void*

Hazard pictograms *Void*

Signal word *Void*

Hazard statements *Void*

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.

3 Komposisi /Informasi tentang Bahan Penyusun Senyawa Tunggal

Chemical characterisation: 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.

4 Tindakan Pertolongan Pertama pada Kecelakaan

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.

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

After swallowing: If symptoms persist consult doctor.

(Contd. on page 2)

— IDN —

Trade name: Sucrose C-100mg/L

(Contd. of page 1)

Information for doctor:**Most important symptoms and effects, both acute and delayed***No further relevant information available.***Indication of any immediate medical attention and special treatment needed***No further relevant information available.***5 Tindakan pemadaman kebakaran****Extinguishing media****Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.***For safety reasons unsuitable extinguishing agents:** *no further information***Special hazards arising from the substance or mixture** *No further relevant information available.***Advice for firefighters** *No further relevant information available.***Protective equipment:** *No special measures required.***6 Tindakan Penanggulangan jika terjadi Tumpahan dan Kebocoran****Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.***Environmental precautions:** *Dilute with plenty of water.***Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).***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.***7 Penanganan dan Penyimpanan****Precautions for safe handling** *No special measures required.***Information about fire - and explosion protection:** *No special measures required.***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***Specific end use(s)** *No further relevant information available.***8 Kontrol Paparan/ Perlindungan Diri****Additional information about design of technical facilities:** *No further data; see section 7.***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.***Exposure controls****Personal protective equipment:****General protective and hygienic measures:***The usual precautionary measures are to be adhered to when handling chemicals.***Respiratory protection:** *Not required.***Protection of hands:** *No chemical-protective gloves required.***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*

(Contd. on page 3)

Trade name: Sucrose C-100mg/L

(Contd. of page 2)

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.

Body protection: Protective work clothing

9 Sifat fisika dan kimia

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	According to product specification
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C (CAS: 7732-18-5 water)

Flash point: Not applicable.

Flammability Not applicable.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.
Not determined.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20 °C: 23 hPa (CAS: 7732-18-5 water)

Density at 20 °C: 1 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with

water: Fully miscible.

Partition coefficient: n-octanol/water: Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

Solvent content:

Water: 100.0 %

Solids content: 0.0 %

Other information No further relevant information available.

10 Stabilitas dan Reaktivitas

Reactivity No further relevant information available.

(Contd. on page 4)

Trade name: Sucrose C-100mg/L

(Contd. of page 3)

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions *No dangerous reactions known.*

Conditions to avoid *No further relevant information available.*

Incompatible materials: *No further relevant information available.*

Hazardous decomposition products: *No dangerous decomposition products known.*

11 Informasi Toksikologi

Information on toxicological effects

Acute toxicity

Primary irritant effect:

Skin corrosion/irritation *No irritant effect.*

Serious eye damage/irritation *No irritating effect.*

Respiratory or skin sensitisation *No sensitising effects known.*

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU

Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Informasi Ekologi

Toxicity

Aquatic toxicity: *No further relevant information available.*

Persistence and degradability *No further relevant information available.*

Behaviour in environmental systems:

Bioaccumulative potential *No further relevant information available.*

Mobility in soil *No further relevant information available.*

Additional ecological information:

General notes: *Not hazardous for water.*

Results of PBT and vPvB assessment

PBT: *Not applicable.*

vPvB: *Not applicable.*

Other adverse effects *No further relevant information available.*

13 Pembuangan Limbah

Waste treatment methods

Recommendation *Smaller quantities can be disposed of with household waste.*

Uncleaned packaging:

Recommendation: *Disposal must be made according to official regulations.*

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

14 Informasi Transpor/Pengangkutan

UN-Number

IMDG, IATA

Void

UN proper shipping name

ADR, IMDG, IATA

Void

Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

Packing group

ADR, IMDG, IATA

Void

(Contd. on page 5)

Trade name: Sucrose C-100mg/L

(Contd. of page 4)

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

UN "Model Regulation": Void

15 Informasi yang Berkaitan dengan Regulasi

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.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Contact: MSDS.pcc@endress.com

Abbreviations and acronyms:

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PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

* Data compared to the previous version altered.