

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** DPD No.3**Article number:** 50035462**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** *Reagent for water analysis***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 209-117
Fax.: +49 (0)7156 209-222
E-Mail: MSDS.PCC@endress.com***1.4 Emergency telephone number:***00353 01 809 2166 (from 8 am to 10 pm, 7 days a week)
00353 01 809 2566 (24h)***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***The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.***Results of PBT and vPvB assessment****PBT:** *Not applicable.***vPvB:** *Not applicable.**** SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** *Mixture of non-hazardous substances***Dangerous components:**

CAS: 7681-11-0	potassium iodide	substance with a Community workplace exposure limit	10-20%
EINECS: 231-659-4			

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.*

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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: *Rinse out mouth and then drink plenty of water.*

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

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

* SECTION 5: Firefighting measures

5.1 Extinguishing media

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

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

5.3 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Hydrogen chloride (HCl)

5.4 Advice for firefighters

5.5 Protective equipment: *No special measures required.*

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Wear protective clothing.

6.2 Environmental precautions: *Do not allow to enter sewers/ surface or ground water.*

6.3 Methods and material for containment and cleaning up: *Pick up mechanically.*

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.

SECTION 7: Handling and storage

7.1 Handling:

Precautions for safe handling *No special measures required.*

Information about fire - and explosion protection: *The product is not flammable.*

Conditions for safe storage, including any incompatibilities

7.2 Storage:

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

Information about storage in one common storage facility: *Store away from oxidising agents.*

Further information about storage conditions:

Store in dry conditions.

Protect from humidity and water.

Protect from exposure to the light.

Storage class: 13

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

SECTION 8: Exposure controls/personal protection

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

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8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:		
7681-11-0 potassium iodide		
OEL (Ireland)	Short-term value: 0.1 ppm Long-term value: 0.01* ppm *inhalable fraction and vapour	
DNELs		
7681-11-0 potassium iodide		
Oral	DNEL long term exposure	0.01 mg/kg /bw/day (consumer) (systemic effect)
Dermal	DNEL long term	1 mg/kg /bw/day (worker) (systemic effect) 1 mg/kg /bw/day (consumer) (systemic effect)
Inhalative	DNEL long-term	0.07 mg/m ³ (worker) (systemic effect) 0.035 mg/m ³ (consumer) (systemic effect)
PNECs		
7681-11-0 potassium iodide		
PNEC	0.007 mg/L (fresh water)	
PNEC	0.007 mg/kg (freshwater sediment)	

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Do not eat, drink, smoke or sniff while working.

Respiratory protection: Use suitable respiratory protective device only when aerosol or mist is formed.

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Tablets
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.

Important information on protection of health

and environment, and on safety.

pH-value at 20 °C: 6.3

Change in condition

Melting point/freezing point: Undetermined.

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Initial boiling point and boiling range:	>999 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not determined.
Decomposition temperature:	Not determined.
Auto-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:	Not applicable.
Density at 20 °C:	2.16 g/cm ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with water at 20 °C:	1.400 g/l
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic at 20 °C:	0 s (DIN 53211/4)
Solvent content:	
Solids content:	100.0 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.

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 toxicological effects

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.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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.

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Aspiration hazard *Based on available data, the classification criteria are not met.*

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.*

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: *Not applicable.*

vPvB: *Not applicable.*

12.6 Other adverse effects *No further relevant information available.*

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

European waste catalogue

16 05 09	<i>discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08</i>
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Uncleaned packaging:

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

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

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA *Void*

14.2 UN proper shipping name

ADR, ADN, 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 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*

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.*

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DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II*None of the ingredients is listed.***National regulations:****Waterhazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.***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.

Department issuing SDS: *PCC-TWRC***Contact:** *MSDS.pcc@endress.com***Abbreviations and acronyms:***ADR: Accord européen sur le transport 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)**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**** Data compared to the previous version altered.**
