

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

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

1.1 Product identifier

Trade name : DCT100-K10 hebro®printclean KR

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

Use of the Sub-
stance/Mixture : Cleaner (plastic) for professional application in industry and trade

1.3 Details of the supplier of the safety data sheet

Company : hebro chemie- ZN der Rockwood Specialties Group GmbH
Rostocker Str. 40
41199 Mönchengladbach

Contact person : Zentrale hebro chemie
Telephone : +49 (0) 2166 6009-0
Telefax : +49 (0) 2166 6009-99

Contact person product safety : Abteilung Produktsicherheit
Telephone : +49(0)2166 6009-311
E-mail address : msds.de@hebro-chemie.de

1.4 Emergency telephone number

: Giftinformationszentrum Erfurt:
+49 (0) 361 730 730

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Precautionary statements : **Prevention:**
 P210 Keep away from heat/sparks/open flames/hot surfaces.
 No smoking.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous components which must be listed on the label:

Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine

Orange, sweet, ext.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Mixture of organic solvents.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
Ethanol	64-17-5 200-578-6 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 3 - < 10
Benzenesulfonic acid, C10-13-alkyl derivs., compds. with triethanolamine	68411-31-4 270-116-6	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 2.5
Propan-2-ol	67-63-0 200-661-7 01-2119457558-25	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 1 - < 2.5
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5 203-961-6 01-2119475104-44	Eye Irrit. 2; H319	>= 1 - < 2.5
3-Butoxypropan-2-ol, propylene glycol monobutyl ether	5131-66-8 225-878-4 01-2119475527-28	Flam. Liq. 3; H226 Eye Irrit. 2; H319 Skin Irrit. 2; H315	>= 1 - < 2.5

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

1-Propoxypropan-2-ol	1569-01-3 216-372-4 01-2119474443-37	Flam. Liq. 3; H226 Eye Irrit. 2; H319	>= 1 - < 2.5
Orange, sweet, ext.	8028-48-6 232-433-8 01-2119493353-35	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 1 - < 2.5
Butyl glycollate	7397-62-8 230-991-7 01-2119514685-36	Eye Dam. 1; H318 Repr. 2; H361d	>= 1 - < 2.5
Substances with a workplace exposure limit :			
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8 252-104-2 01-2119450011-60	Not a hazardous substance or mixture according to Regula- tion (EC) No. 1272/2008.	>= 2.5 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : Provide fresh air.
Keep patient warm and at rest.
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.
After contact with skin, wash immediately with plenty of soap and water.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.
- If swallowed : Call a physician immediately.
Keep at rest.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Erythema

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry powder
Water spray jet

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Hazardous decomposition products formed under fire conditions.
Carbon monoxide
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use water spray to cool unopened containers.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Do not breathe vapours, aerosols.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Do not empty into drains.
Inform the relevant authorities if it enters sewers, aquatic environment or soil.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See chapter

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

8
 and
 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Keep away from open flames, hot surfaces and sources of ignition.
 Take precautionary measures against static discharges.
 Avoid contact with skin and eyes.
 Do not breathe vapours or spray mist.
 When using do not eat, drink or smoke.
 For personal protection see section 8.
- Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.
 Vapours may form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Follow the water regulations. Keep only in the original container in a cool, well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Further information on storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep away from heat. Keep away from sources of ignition - No smoking. Keep at temperatures between - 7°C and 40°C.
- Advice on common storage : Incompatible with oxidizing agents.

7.3 Specific end use(s)

- Specific use(s) : Cleaner (plastic) for professional application in industry and trade

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-(3-Methoxypropan-1-ol)	34590-94-8	TWA	50 ppm 308 mg/m ³	2000/39/EC
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 308 mg/m ³	GB EH40
Further information	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
Ethanol	64-17-5	TWA	1,000 ppm	GB EH40

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

DCT100-K10 hebro®printclean KR



Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

			1,920 mg/m3	
Further information	Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used			
Propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m3	GB EH40
		STEL	500 ppm 1,250 mg/m3	GB EH40
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm 67.5 mg/m3	2006/15/EC
Further information	Indicative			
		STEL	15 ppm 101.2 mg/m3	2006/15/EC
Further information	Indicative			
		TWA	10 ppm 67.5 mg/m3	GB EH40
		STEL	15 ppm 101.2 mg/m3	GB EH40

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Ethanol	Workers	Inhalation	Long-term systemic effects	950 mg/m3
Propan-2-ol	Workers	Inhalation	Long-term systemic effects	500 mg/m3
	Workers	Skin contact	Long-term systemic effects	888 mg/kg bw/day
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	Workers	Inhalation	Long-term systemic effects	67.5 mg/m3
	Workers	Inhalation	Long-term local effects	67.5 mg/m3
	Workers	Inhalation	Acute local effects	101.2 mg/m3
	Workers	Skin contact	Long-term systemic effects	20 mg/kg bw/day
3-Butoxypropan-2-ol, propylene glycol monobutyl ether	Workers	Inhalation	Long-term systemic effects	270.5 mg/m3
	Workers	Skin contact	Long-term systemic effects	44 mg/kg bw/day
1-Propoxypropan-2-ol	Workers	Inhalation	Long-term systemic effects	217 mg/m3
	Workers	Skin contact	Long-term systemic effects	9 mg/kg bw/day
Orange, sweet, ext.	Workers	Inhalation	Long-term systemic effects	31.1 mg/m3
	Workers	Skin contact	Long-term systemic effects	8.89 mg/kg bw/day
	Workers	Skin contact	Acute local effects	185.8 µg/cm2
Butyl glycollate	Workers	Inhalation	Long-term systemic effects	21.2 mg/m3
2-(3-	Workers	Inhalation	Long-term systemic	308 mg/m3

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

DCT100-K10 hebro®printclean KR



Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Methoxypro- poxy)propan-1-ol			effects	
	Workers	Skin contact	Long-term systemic effects	283 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Propan-2-ol	Fresh water	140.9 mg/l
	Marine water	140.9 mg/l
	Sewage treatment plant	2251 mg/l
	Sediment	552 mg/kg
	Soil	28 mg/kg
2-(2-Butoxyethoxy)ethanol; di-ethylene glycol monobutyl ether	Fresh water	1 mg/l
	Marine water	0.4 mg/l
	Estuary sediment	4 mg/l
3-Butoxypropan-2-ol,propylene glycol monobutyl ether	Fresh water	0.525 mg/l
	Marine water	0.0525 mg/l
	Fresh water sediment	2.36 mg/kg
	Marine sediment	0.236 mg/kg
	Soil	0.16 mg/kg
1-Propoxypropan-2-ol	Fresh water	0.1 mg/l
	Marine water	0.01 mg/l
	Fresh water sediment	0.386 mg/kg
	Marine sediment	0.0386 mg/kg
	Soil	0.0185 mg/kg
Orange, sweet, ext.	Fresh water	0.005 mg/l
	Marine water	0.0005 mg/l
	Intermittent use/release	0.0058 mg/l
	Sewage treatment plant	2.1 mg/l
	Fresh water sediment	1.3 mg/kg
	Marine sediment	0.13 mg/kg
	Soil	0.261 mg/kg
	Oral	13.3 mg/kg
Butyl glycollate	Fresh water	0.05 mg/l
	Marine water	0.005 mg/l
	Sewage treatment plant	232 mg/l
	Fresh water sediment	0.203 mg/kg
	Marine sediment	0.0203 mg/kg
2-(3-Methoxypropoxy)propan-1-ol	Fresh water	19 mg/l
	Marine water	1.9 mg/l
	Intermittent use/release	190 mg/l
	Sewage treatment plant	4168 mg/l
	Fresh water sediment	70.2 mg/kg
	Marine sediment	7.02 mg/kg
	Soil	2.74 mg/kg

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

Eye protection : Face-shield

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Safety glasses with side-shields conforming to EN166

Hand protection	
Material	: Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.
Remarks	: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed.
Skin and body protection	: Long sleeved clothing Chemical resistant apron
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Recommended Filter type: ABEK-filter The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Protective measures	: Follow the skin protection plan.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: colourless
Odour	: characteristic
Odour Threshold	: No data available
pH	: 6.9 (20 °C) (undiluted)
Melting point/freezing point	: No data available
Boiling point/boiling range	: 82 °C Method: DIN 51751
Flash point	: 43 °C but does not support combustion
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	0.99 g/cm ³ (20 °C) Method: DIN 51757
Solubility(ies)		
Water solubility	:	1,000 g/l completely soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2 Other information

Other physico-chemical properties: This information is not available/not determined.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Product is stable under appropriate usage.

10.5 Incompatible materials

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Materials to avoid : Oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

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

Acute toxicity

Components:

Ethanol:

Acute oral toxicity : LD₅₀ (Rat): 10,470 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC₅₀ (Rat): 117 - 125 mg/l
Exposure time: 4 h
Method: OECD Test Guideline 403

Acute dermal toxicity : LD₅₀ (Rabbit): > 2,000 mg/kg
Method: OECD Test Guideline 402

Propan-2-ol:

Acute oral toxicity : LD₅₀ (Rat): 5,840 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC₅₀ (Rat): 30 mg/l
Exposure time: 4 h

Acute dermal toxicity : LD₅₀ (Rabbit): 13,900 mg/kg
Method: OECD Test Guideline 402

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether:

Acute oral toxicity : LD₅₀ (Rat): 3,384 mg/kg

Acute dermal toxicity : LD₅₀ (Rabbit): 2,700 mg/kg

3-Butoxypropan-2-ol,propylene glycol monobutyl ether:

Acute oral toxicity : LD₅₀ (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 423

Acute dermal toxicity : LD₅₀ (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402

1-Propoxypropan-2-ol:

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Acute oral toxicity : LD50 (Rat): 2,000 - 4,350 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 3,600 - 4,500 mg/kg

Orange, sweet, ext.:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Butyl glycollate:

Acute oral toxicity : LD50 (Rat): 4,595 mg/kg
Method: OECD Test Guideline 401

2-(3-Methoxypropoxy)propan-1-ol:

Acute oral toxicity : LD50 (Rat): 5,135 mg/kg

Acute dermal toxicity : LD50 (Rabbit): 9,510 mg/kg

Skin corrosion/irritation

Product:

Remarks: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Serious eye damage/eye irritation

Product:

Remarks: The liquid splashed in the eyes may cause irritation and reversible damage.

Respiratory or skin sensitisation

Product:

Remarks: This information is not available.

Respiratory or skin sensitisation

Components:

3-Butoxypropan-2-ol,propylene glycol monobutyl ether:

Test Type: Buehler Test

Species: Guinea pig

Remarks: No sensitising effects are known.

Germ cell mutagenicity

Product:

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

Germ cell mutagenicity

Components:

Orange, sweet, ext.:

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity

Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

Reproductive toxicity

Product:

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

Reproductive toxicity

Components:

Orange, sweet, ext.:

Effects on foetal development : Species: Rat
591 mg/kg
250 mg/kg

Butyl glycollate:

Effects on fertility : Species: Rat
Frequency of Treatment: /day
NOAEL: 250 mg/kg,
Method: OECD Test Guideline 414
GLP: yes

Reproductive toxicity - Assessment : Suspected of damaging the unborn child.

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

Aspiration toxicity

Product:

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

Further information

Product:

Remarks: According to many years of experience, there are no known harmful effects when handled properly.

Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Ecotoxicology studies for the product are not available.

Components:

Ethanol:

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 13,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 12,340 mg/l
Exposure time: 48 h
- Toxicity to algae : EC50 (Algae): 275 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Propan-2-ol:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 8,970 mg/l
Exposure time: 48 h
- LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 9,714 mg/l
Exposure time: 24 h
- Toxicity to algae : EC50 (Scenedesmus subspicatus): > 100 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : IC50 (Bacteria): > 100 mg/l

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 2,750 mg/l
Exposure time: 48 h
Method: DIN 38412
- LC50 (Lepomis macrochirus (Bluegill sunfish)): 1,300 mg/l
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 2,850 mg/l
Exposure time: 48 h
- Toxicity to algae : NOEC (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

3-Butoxypropan-2-ol,propylene glycol monobutyl ether:

- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 48 h
Test Type: static test

1-Propoxypropan-2-ol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 3,600 mg/l

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): 1,466 mg/l

Toxicity to microorganisms : EC50 (Bacteria): 3,800 mg/l
Exposure time: 16 h

Orange, sweet, ext.:

Toxicity to fish : LC50 (Pimephales promelas (Fathead minnow)): 0.7 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.67 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae : ErC50 (Desmodesmus subspicatus): 150 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Butyl glycollate:

Toxicity to algae : NOEC (Lemna minor (duckweed)): > 87.44 mg/l
Test Type: Growth inhibition
Method: OECD Test Guideline 221
GLP: yes

2-(3-Methoxypropoxy)propan-1-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,919 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 0.5 mg/l
Exposure time: 22 d

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 1,000 mg/l
Exposure time: 72 h

Toxicity to microorganisms : EC10 (Pseudomonas putida): 4,168 mg/l
Test Type: Growth inhibition

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

1-Propoxypropan-2-ol:

Partition coefficient: n-
octanol/water : log Pow: 0.621

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Do not let product enter drains.
Do not dispose of with domestic refuse.

Contaminated packaging : Dispose of in accordance with local regulations.

Waste Code : 140603 : other solvents and solvent mixtures

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Refer to protective measures listed in sections 7 and 8.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.
H361d : Suspected of damaging the unborn child.
H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity
Asp. Tox. : Aspiration hazard
Eye Dam. : Serious eye damage
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Repr. : Reproductive toxicity
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation
STOT SE : Specific target organ toxicity - single exposure

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

DCT100-K10 hebro®printclean KR



Version: 2.7

Revision Date: 17.04.2019

Print Date: 18.04.2019

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

GB / EN